

FIG. 1A

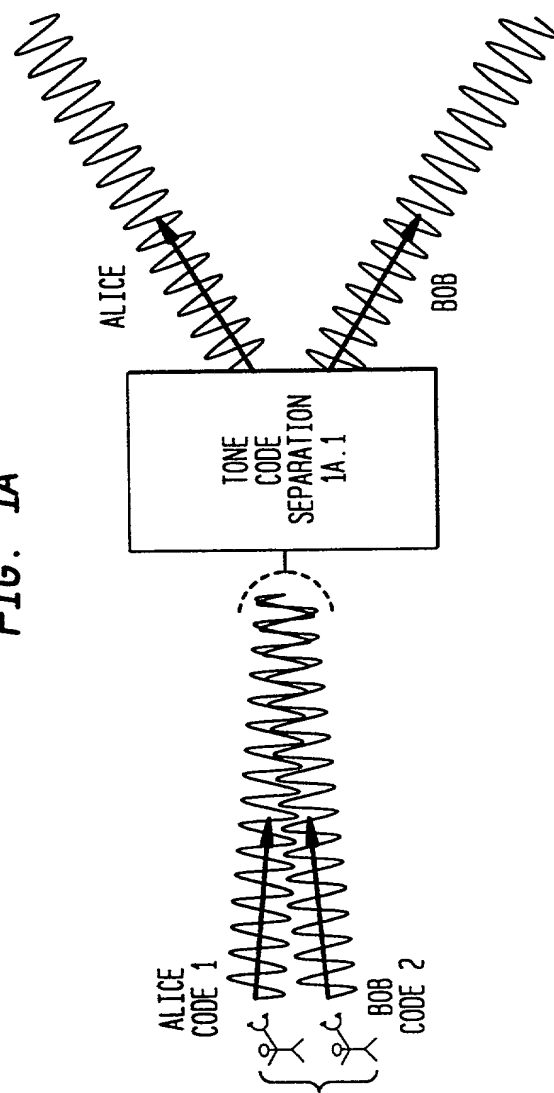
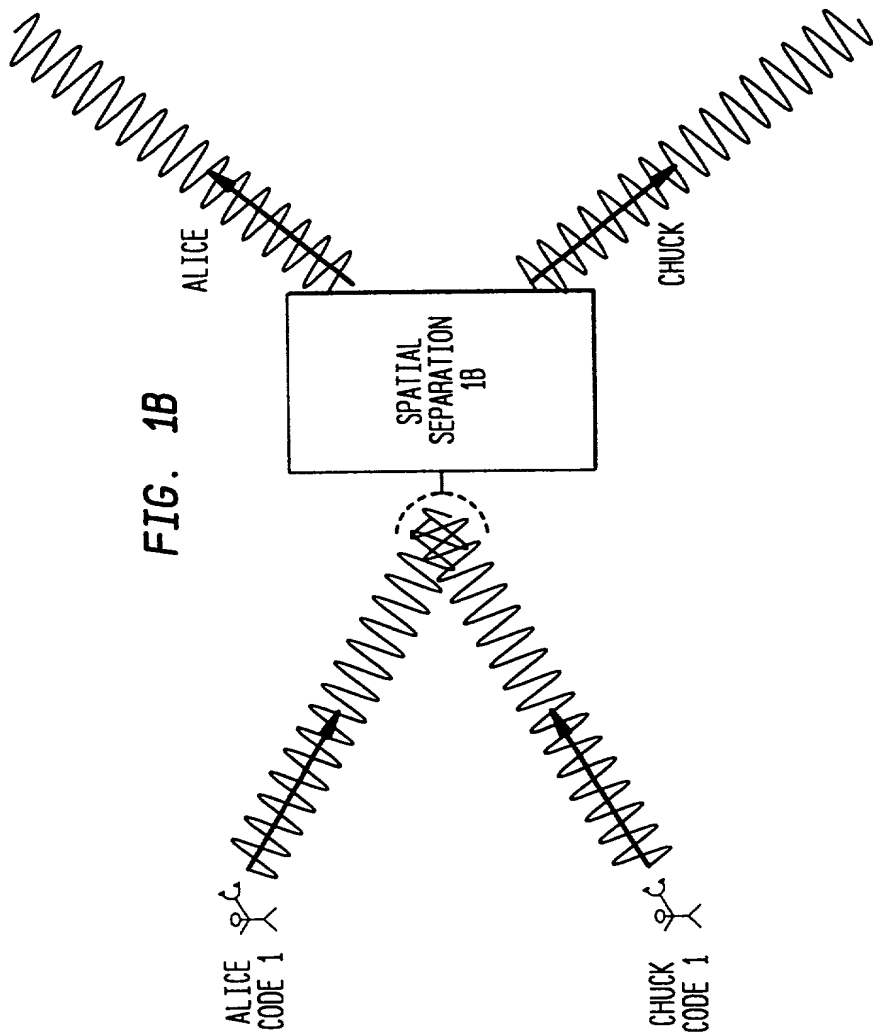


FIG. 1B



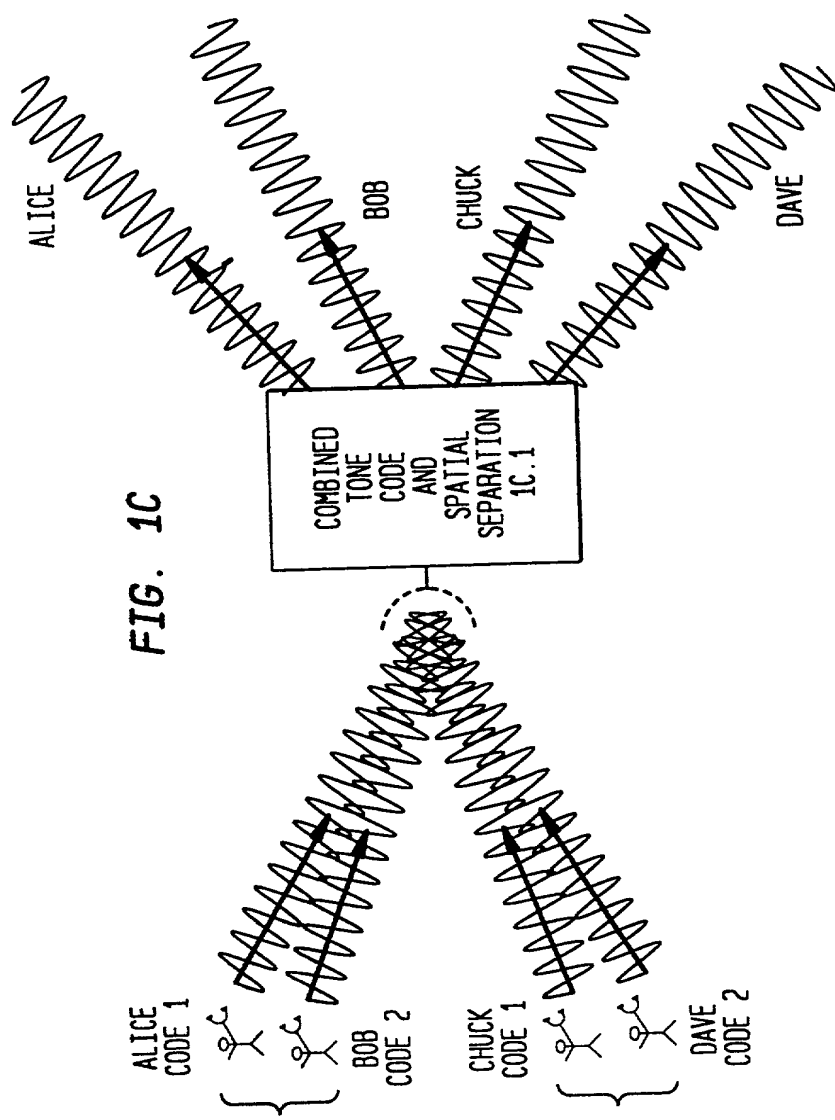


FIG. 1C

FIG. 1D

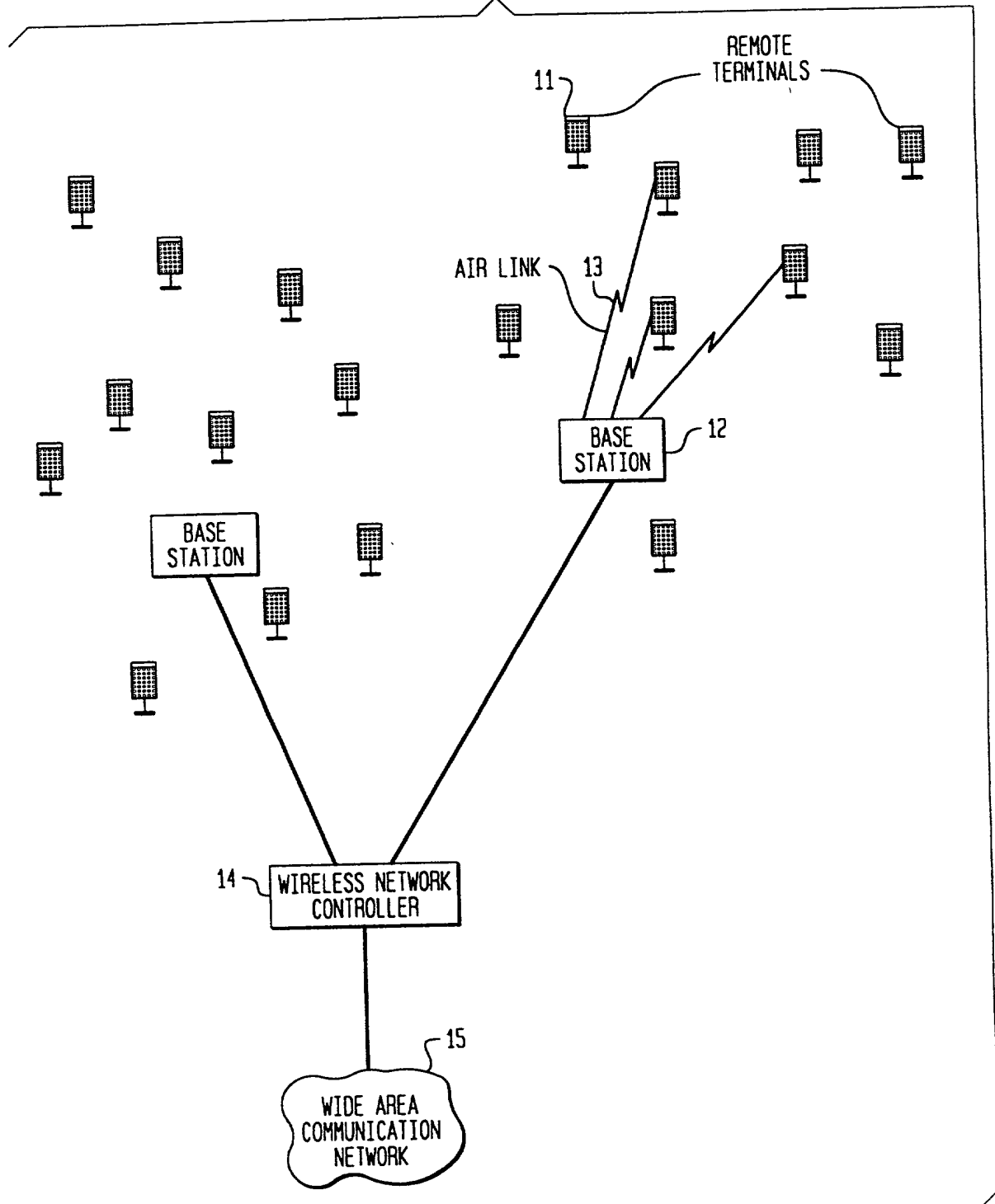


FIG. 1D

FIG. 2

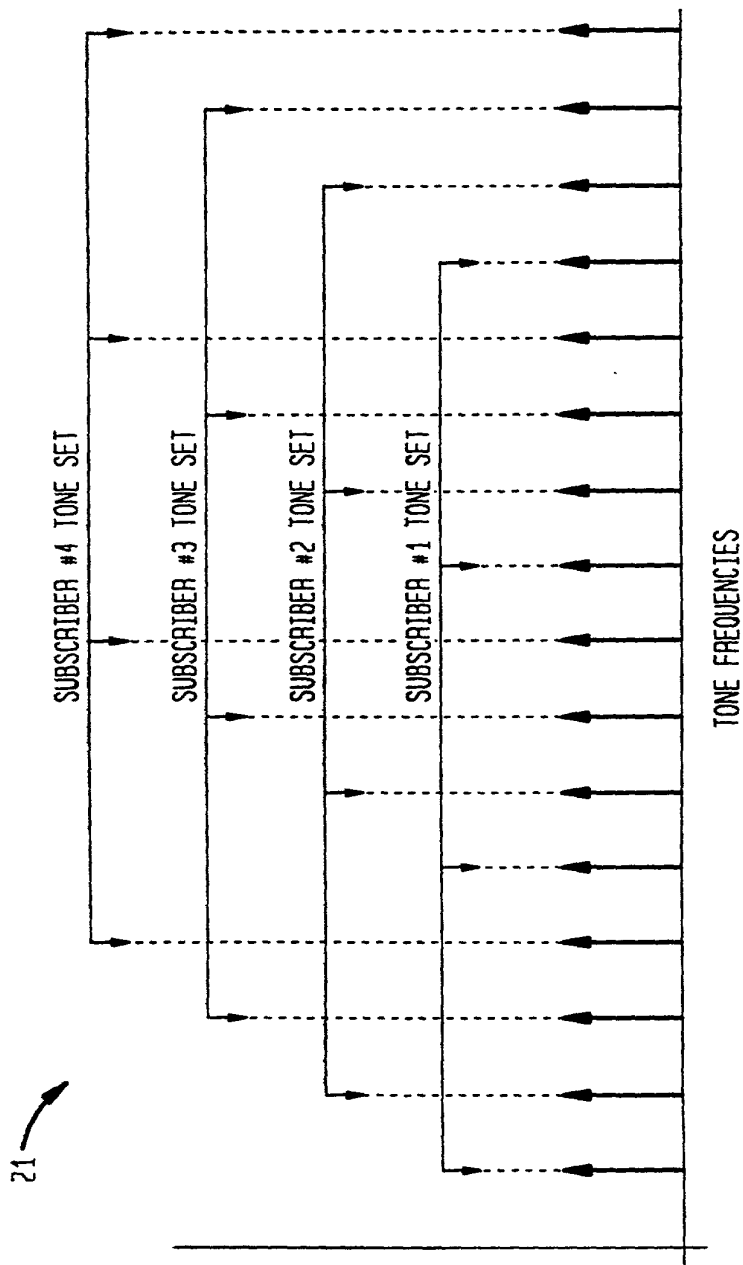


FIG. 3

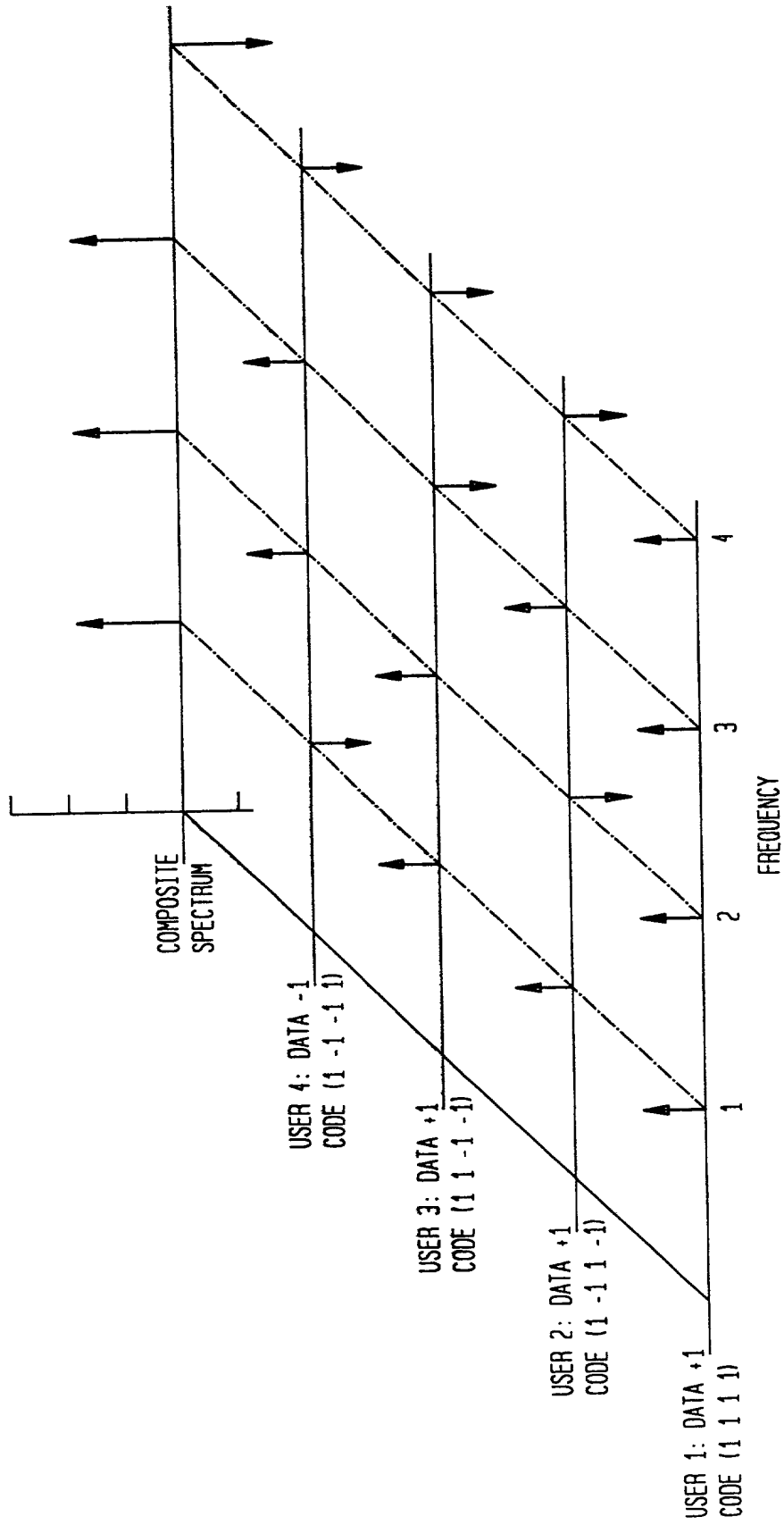


FIG. 4

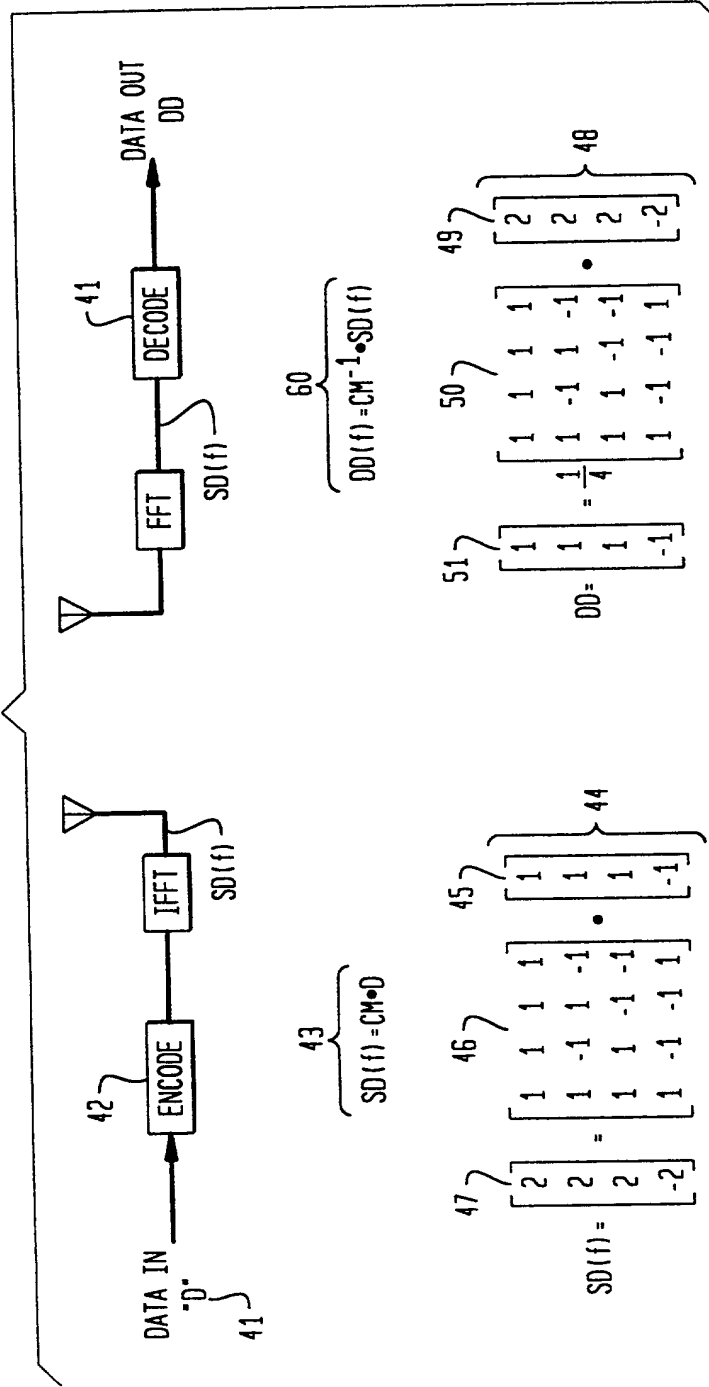
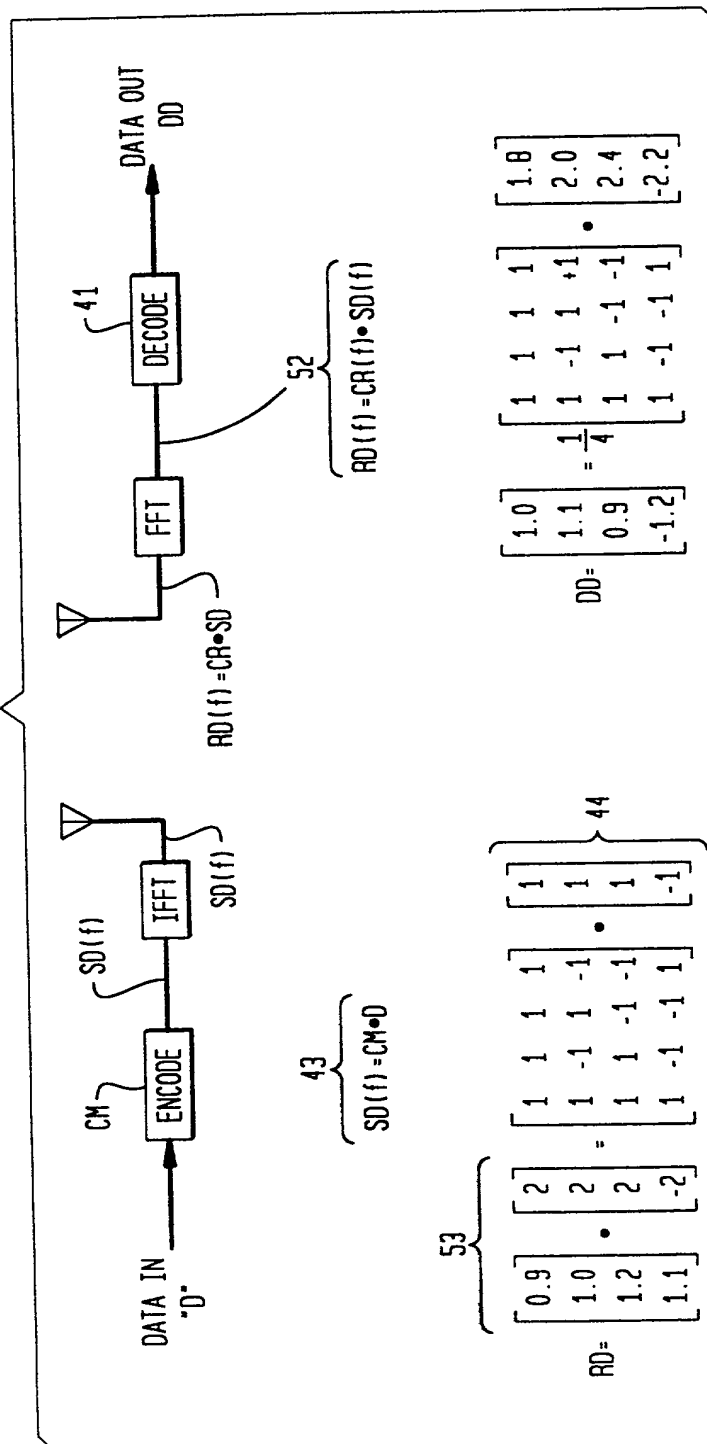


FIG. 5



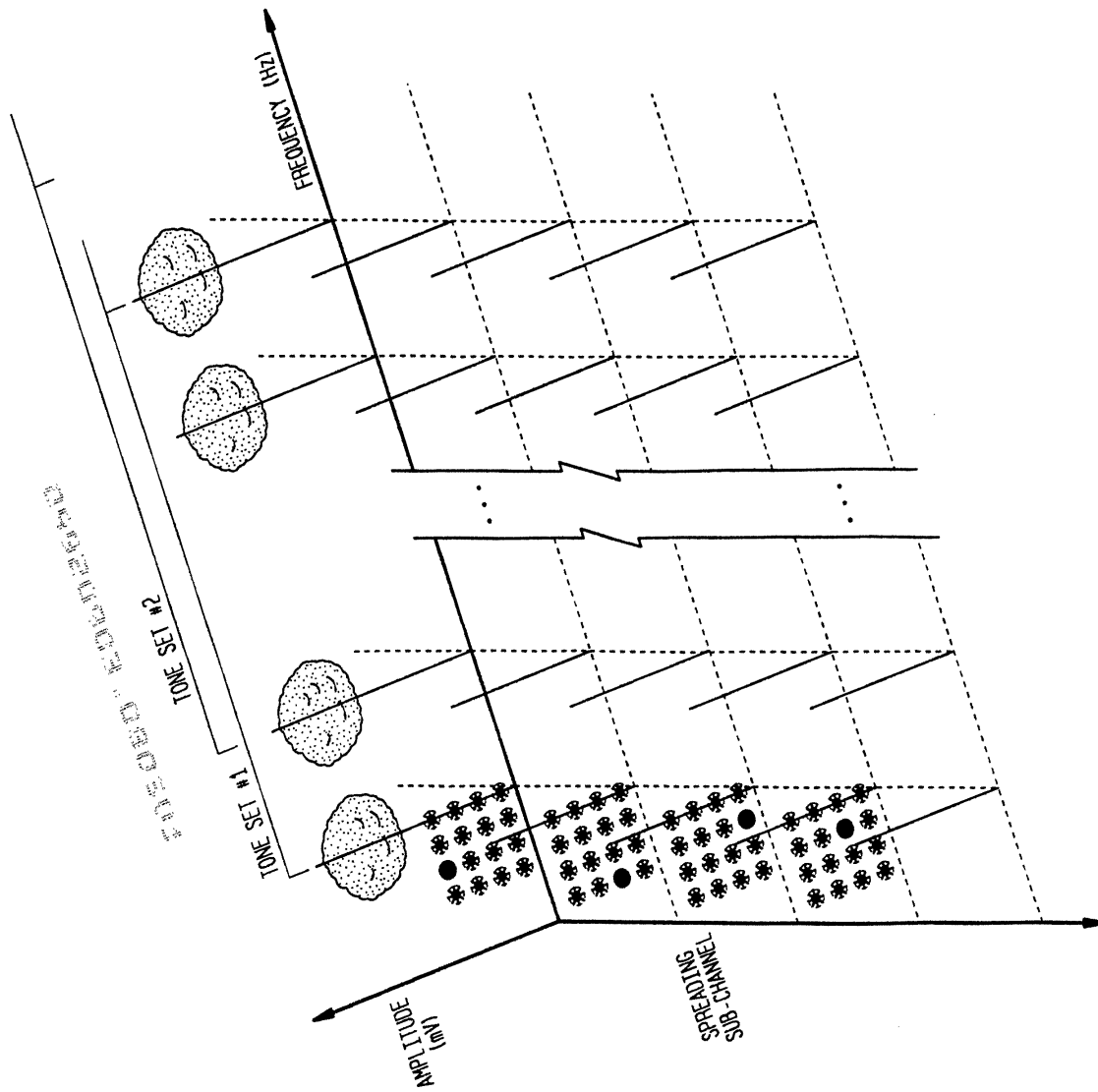


FIG. 6

FIG. 7

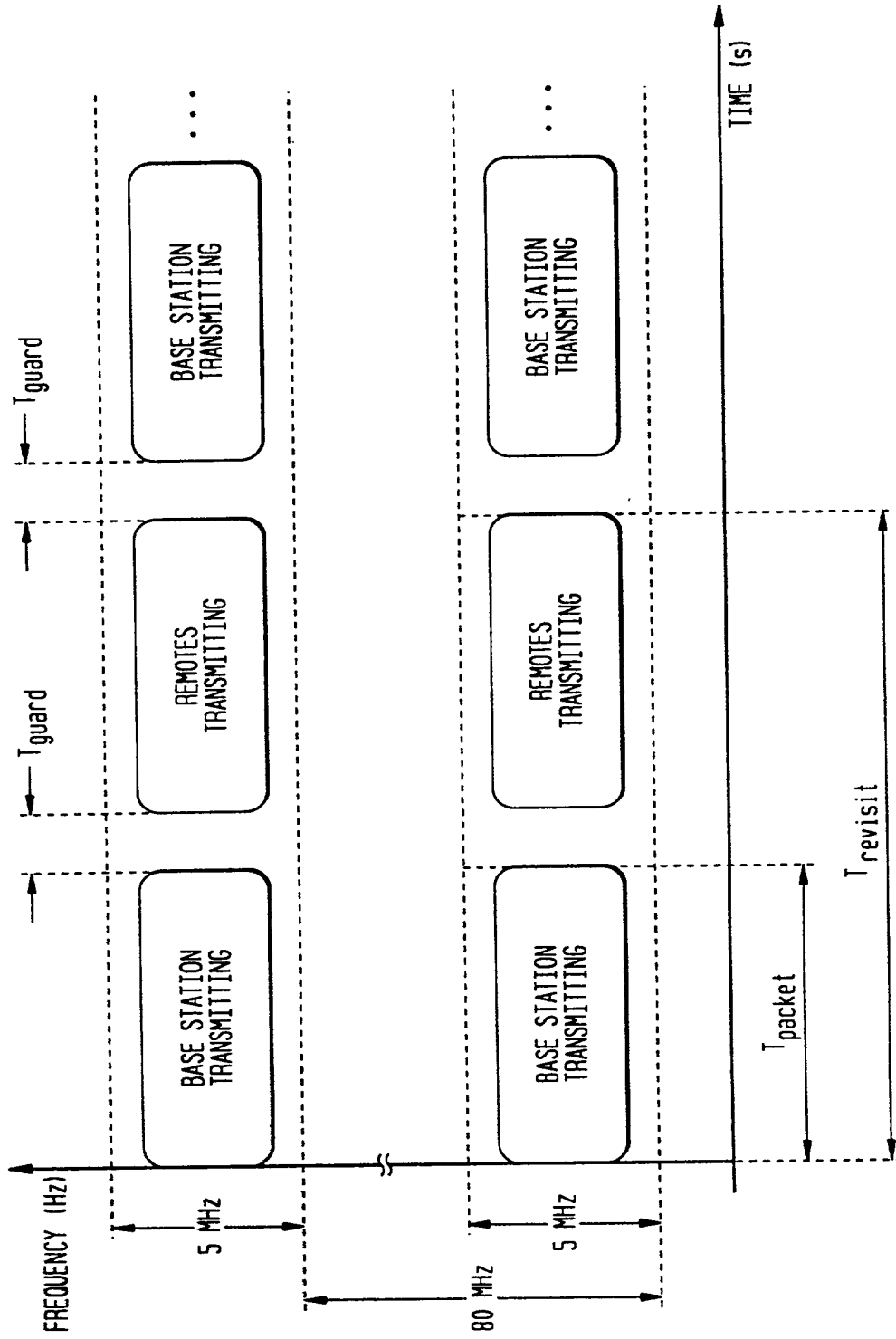


FIG. 8

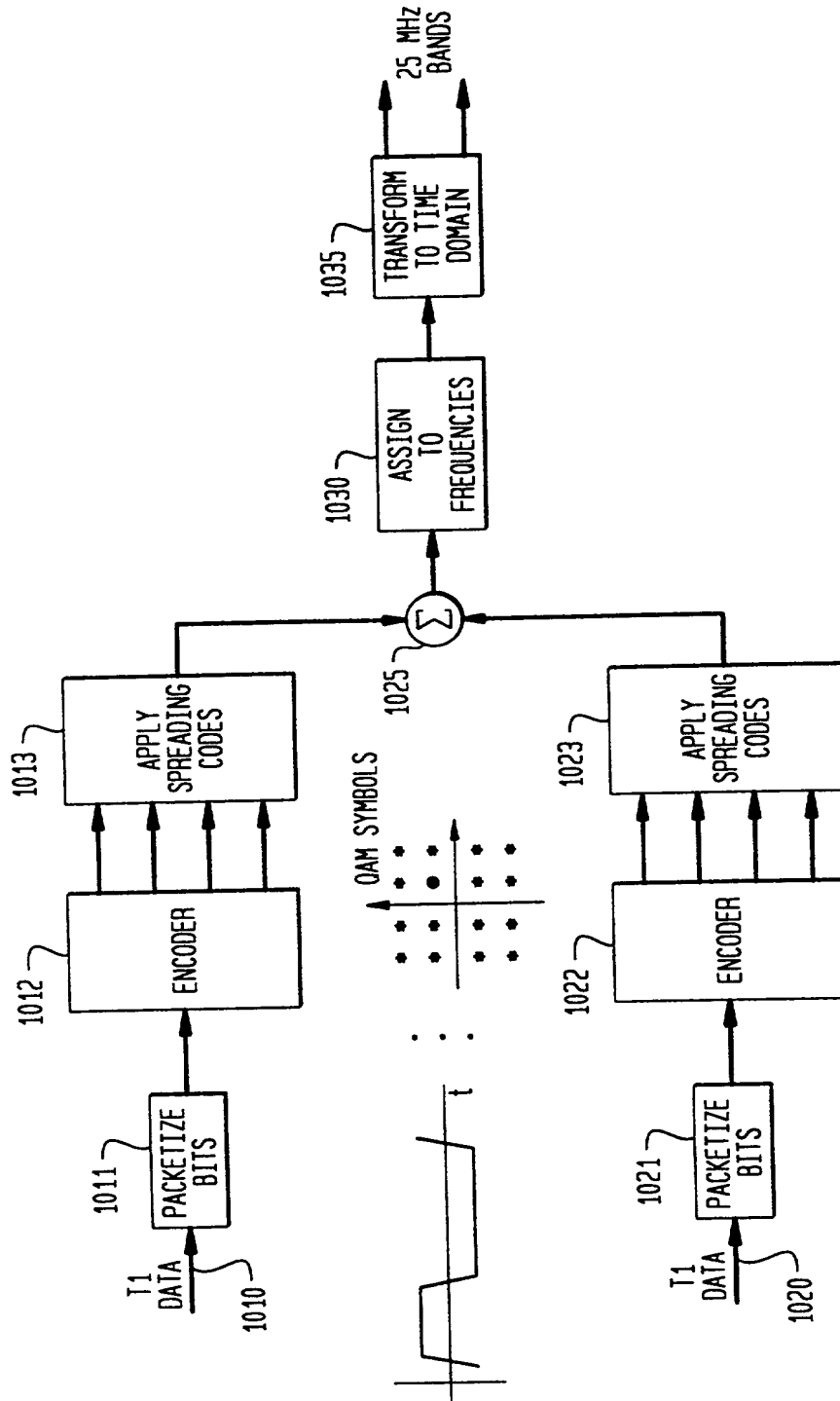
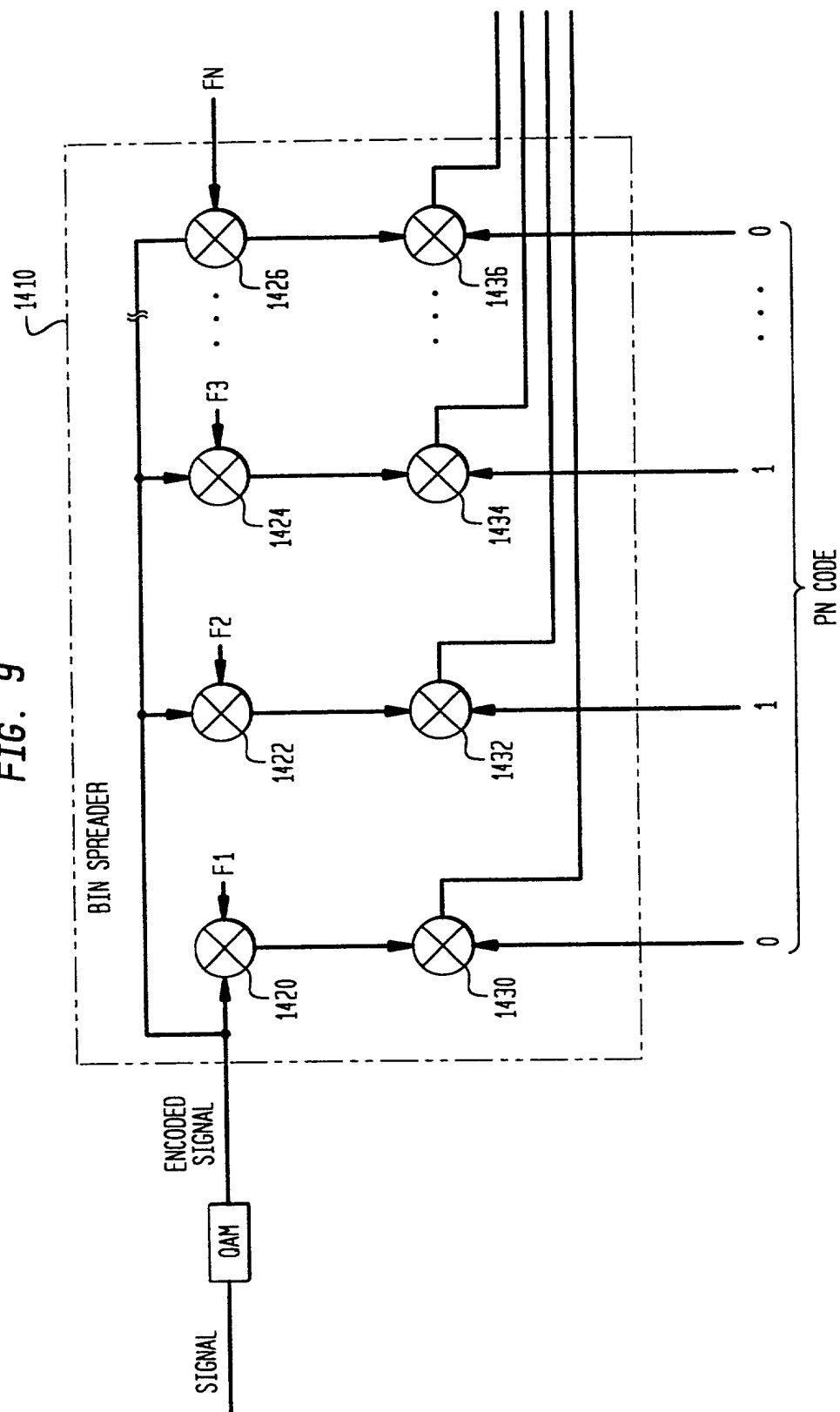
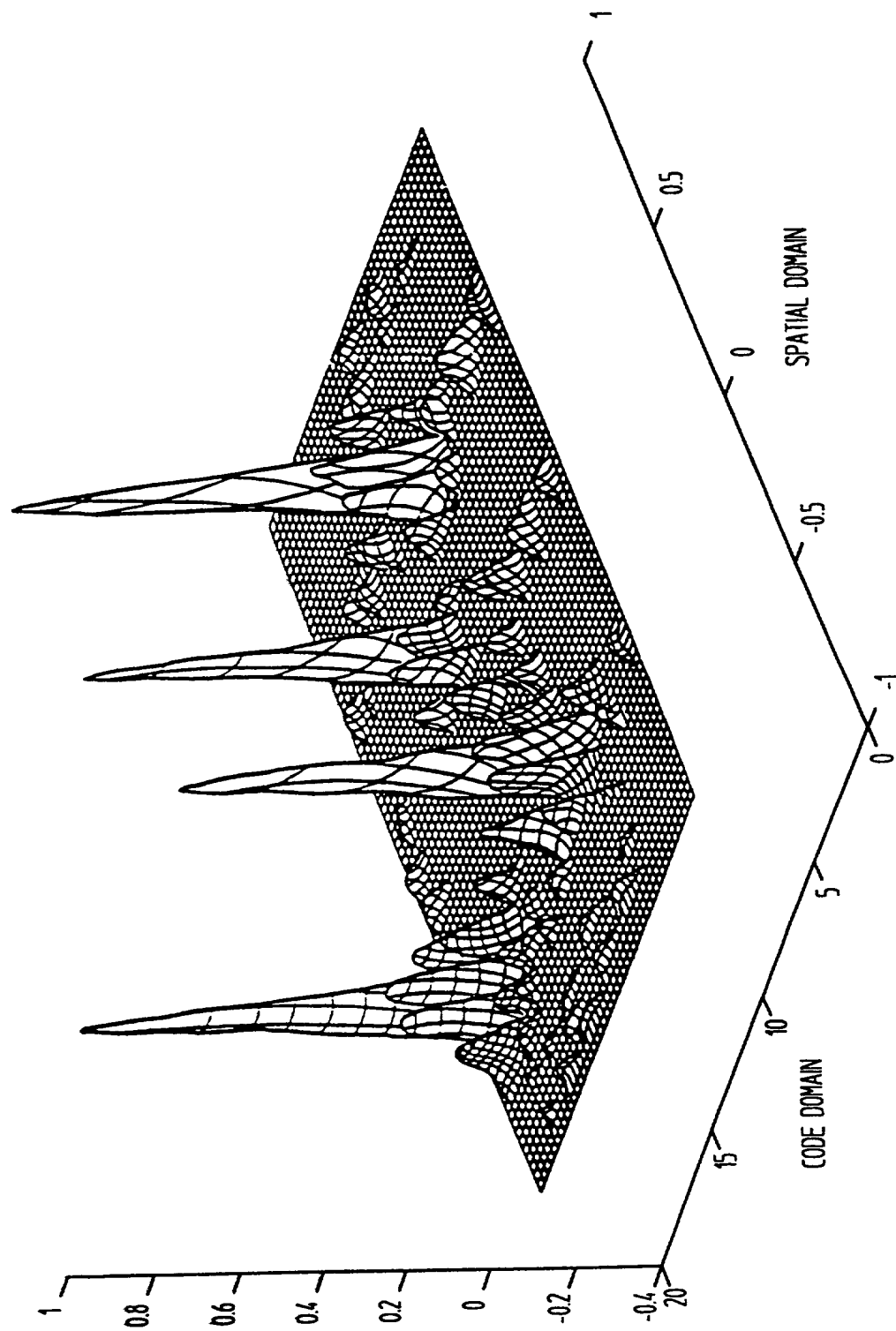


FIG. 9



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FIG. 10



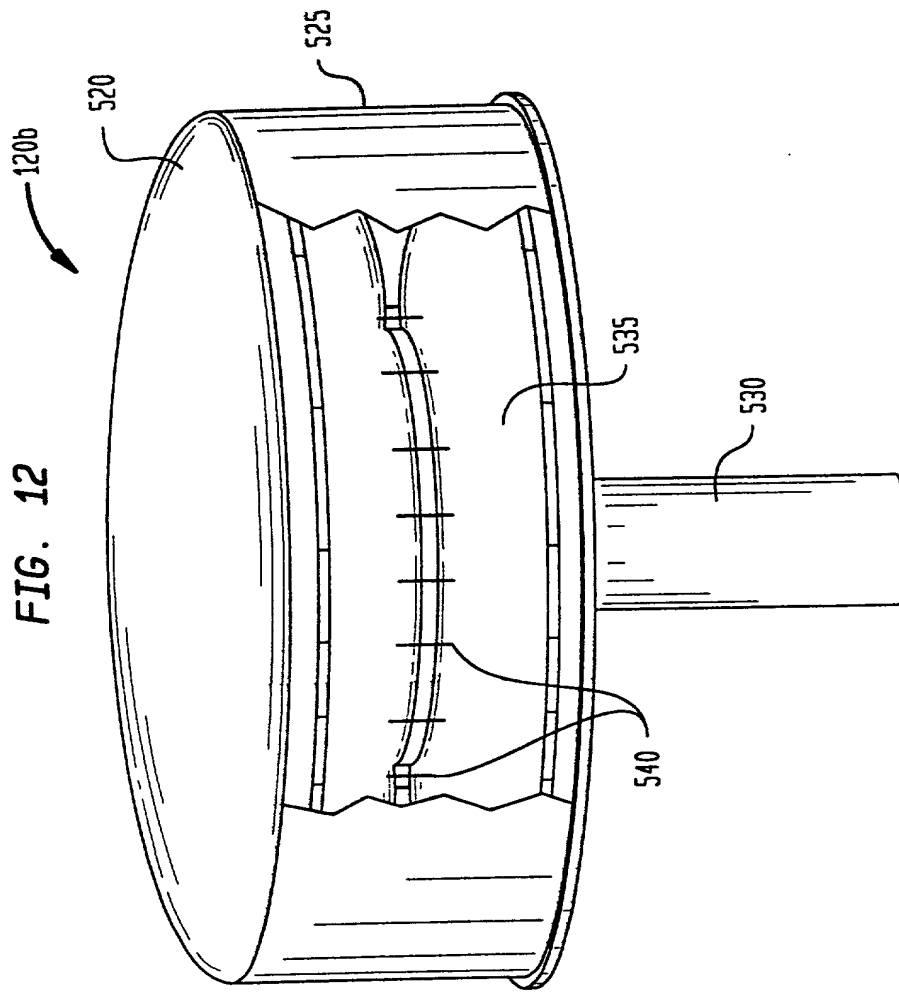
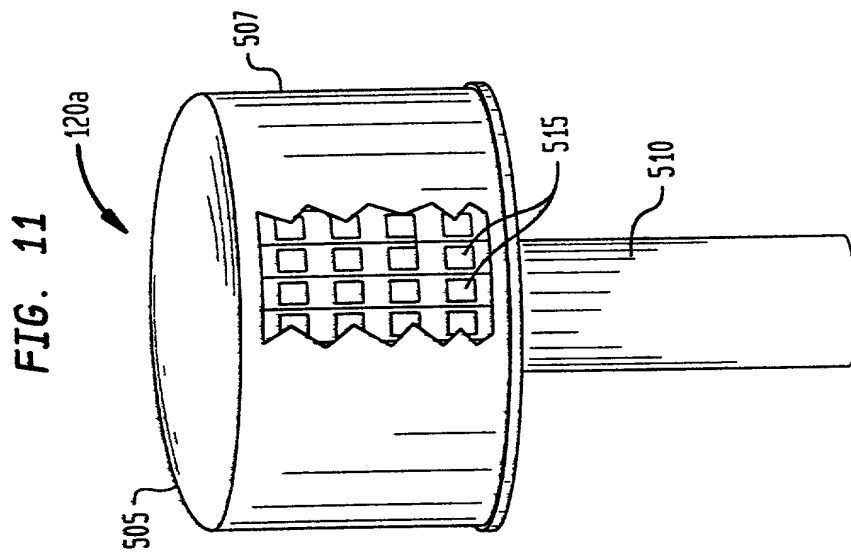


FIG. 13

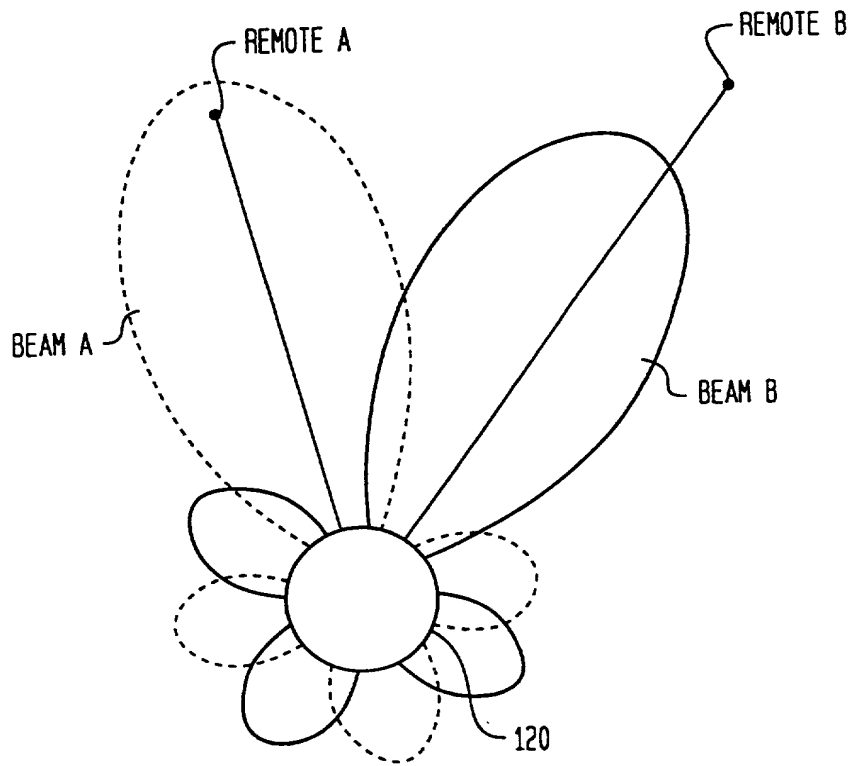


FIG. 13

FIG. 14

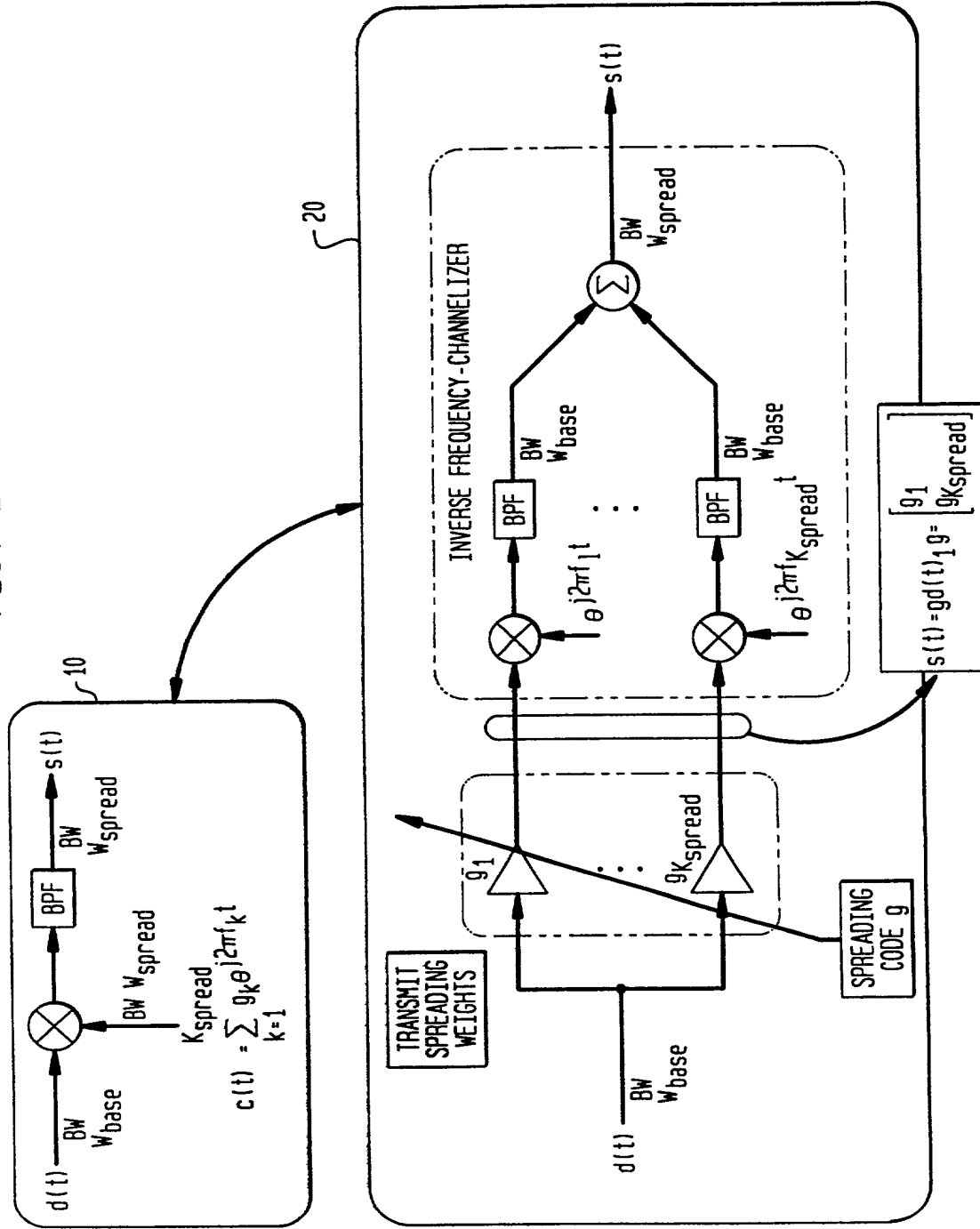


FIG. 16

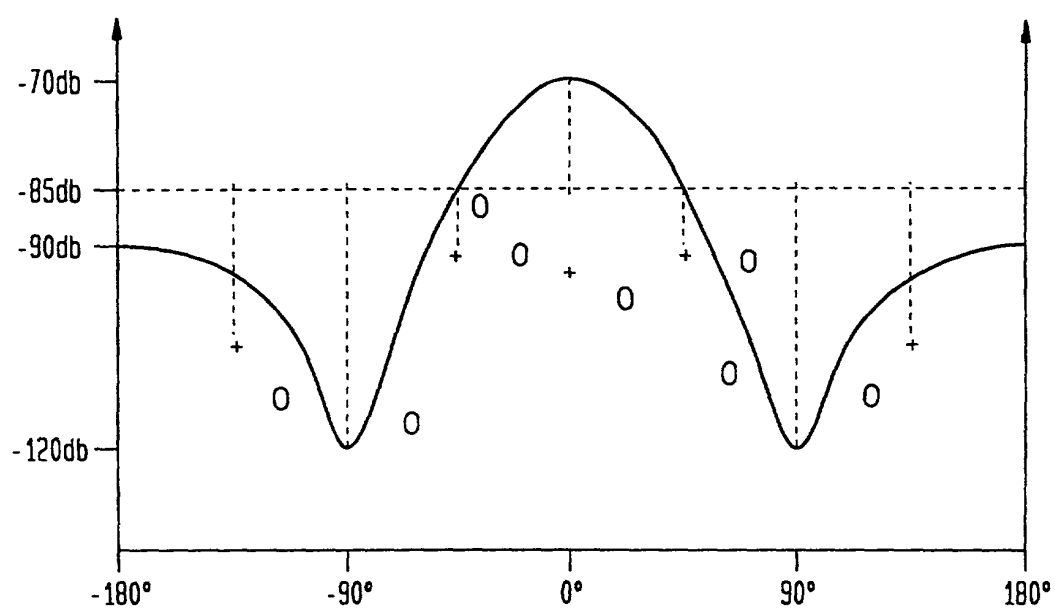


FIG. 17

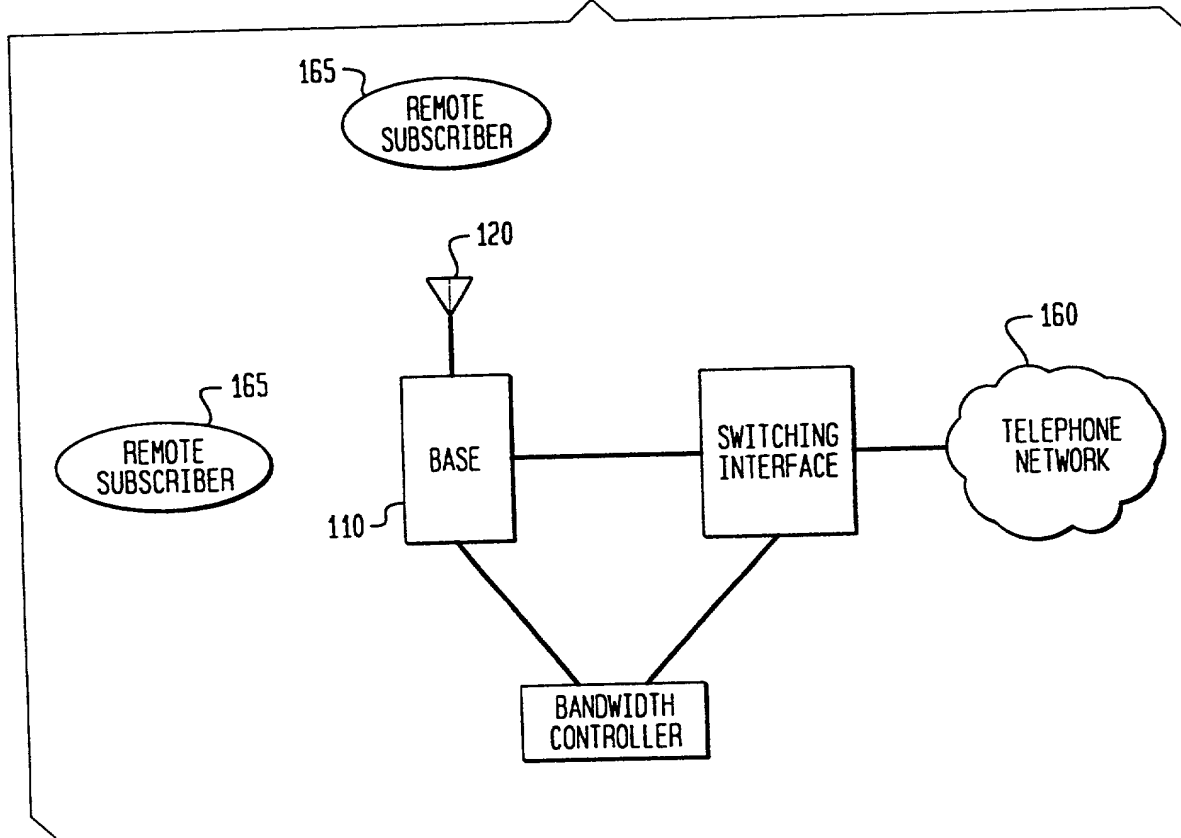


FIG. 18

BASE FREQUENCY	LOWER RF BAND	UPPER RF BAND
1850 MHz	1850-1855 MHz	1930-1935 MHz
1855 MHz	1855-1860 MHz	1935-1940 MHz
1860 MHz	1860-1865 MHz	1940-1945 MHz
1865 MHz	1865-1870 MHz	1945-1950 MHz
1870 MHz	1870-1875 MHz	1950-1955 MHz
1875 MHz	1875-1880 MHz	1955-1960 MHz
1880 MHz	1880-1885 MHz	1960-1965 MHz
1885 MHz	1885-1890 MHz	1965-1970 MHz
1890 MHz	1890-1895 MHz	1970-1975 MHz
1895 MHz	1895-1900 MHz	1975-1980 MHz
1900 MHz	1900-1905 MHz	1980-1985 MHz
1905 MHz	1905-1910 MHz	1985-1990 MHz

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FIG. 19

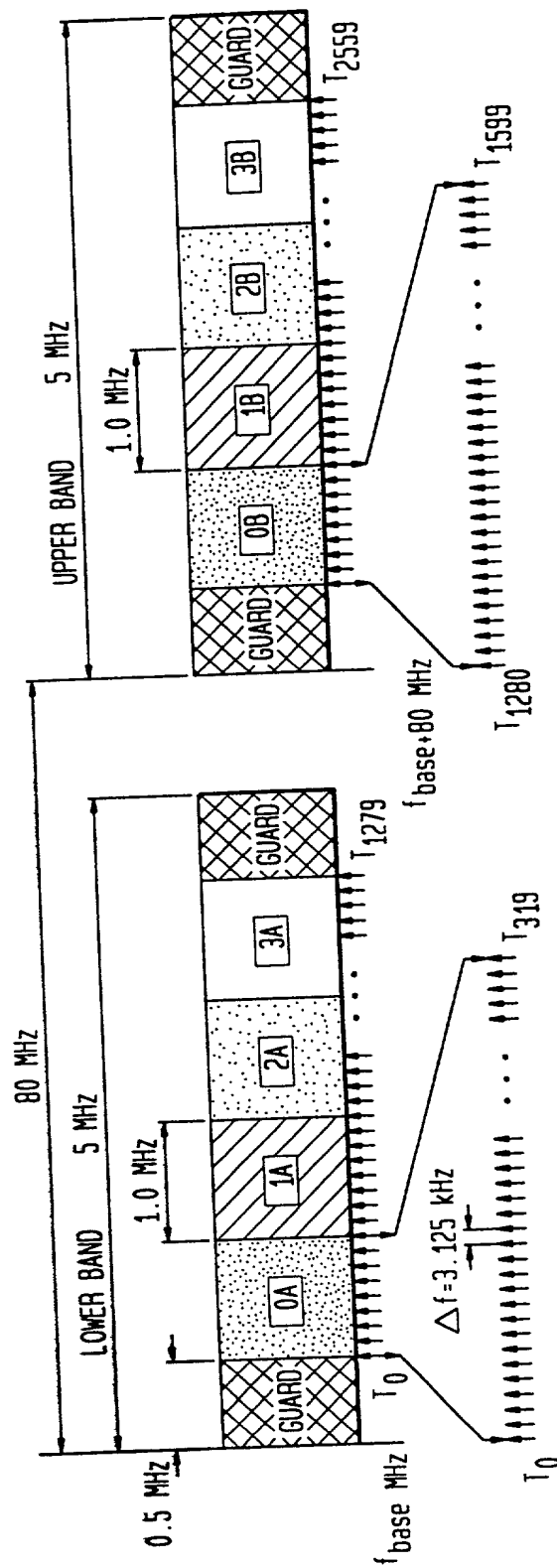


FIG. 20

SUBBAND PAIR DESIGNATION		TONES
SUBBAND PAIR 0	0 A	$\{T_0, T_1, \dots, T_{319}\}$
	0 B	$\{T_{1280}, T_{1281}, \dots, T_{1599}\}$
SUBBAND PAIR 1	1 A	$\{T_{320}, T_{321}, \dots, T_{639}\}$
	1 B	$\{T_{1600}, T_{1601}, \dots, T_{1919}\}$
SUBBAND PAIR 2	2 A	$\{T_{640}, T_{641}, \dots, T_{959}\}$
	2 B	$\{T_{1920}, T_{1921}, \dots, T_{2239}\}$
SUBBAND PAIR 3	3 A	$\{T_{960}, T_{961}, \dots, T_{1279}\}$
	3 B	$\{T_{2240}, T_{2241}, \dots, T_{2559}\}$

FIG. 21

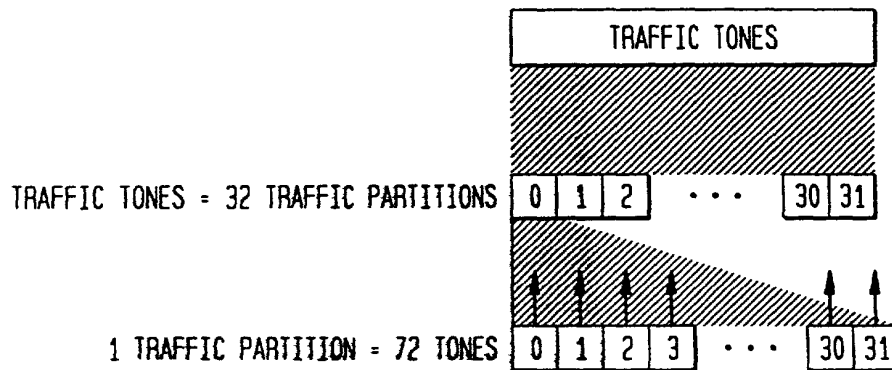


FIG. 22

tone index	tone	tone index	tone	tone index	tone	tone index	tone
$P_i(0)$	T_{20i+1}	$P_i(18)$	$T_{20i+161}$	$P_i(36)$	$T_{20i+1281}$	$P_i(54)$	$T_{20i+1441}$
$P_i(1)$	T_{20i+2}	$P_i(19)$	$T_{20i+162}$	$P_i(37)$	$T_{20i+1282}$	$P_i(55)$	$T_{20i+1442}$
$P_i(2)$	T_{20i+3}	$P_i(20)$	$T_{20i+163}$	$P_i(38)$	$T_{20i+1283}$	$P_i(56)$	$T_{20i+1443}$
$P_i(3)$	T_{20i+4}	$P_i(21)$	$T_{20i+164}$	$P_i(39)$	$T_{20i+1284}$	$P_i(57)$	$T_{20i+1444}$
$P_i(4)$	T_{20i+5}	$P_i(22)$	$T_{20i+165}$	$P_i(40)$	$T_{20i+1285}$	$P_i(58)$	$T_{20i+1445}$
$P_i(5)$	T_{20i+6}	$P_i(23)$	$T_{20i+166}$	$P_i(41)$	$T_{20i+1286}$	$P_i(59)$	$T_{20i+1446}$
$P_i(6)$	T_{20i+7}	$P_i(24)$	$T_{20i+167}$	$P_i(42)$	$T_{20i+1287}$	$P_i(60)$	$T_{20i+1447}$
$P_i(7)$	T_{20i+8}	$P_i(25)$	$T_{20i+168}$	$P_i(43)$	$T_{20i+1288}$	$P_i(61)$	$T_{20i+1448}$
$P_i(8)$	T_{20i+9}	$P_i(26)$	$T_{20i+169}$	$P_i(44)$	$T_{20i+1289}$	$P_i(62)$	$T_{20i+1449}$
$P_i(9)$	T_{20i+11}	$P_i(27)$	$T_{20i+171}$	$P_i(45)$	$T_{20i+1291}$	$P_i(63)$	$T_{20i+1451}$
$P_i(10)$	T_{20i+12}	$P_i(28)$	$T_{20i+172}$	$P_i(46)$	$T_{20i+1292}$	$P_i(64)$	$T_{20i+1452}$
$P_i(11)$	T_{20i+13}	$P_i(29)$	$T_{20i+173}$	$P_i(47)$	$T_{20i+1293}$	$P_i(65)$	$T_{20i+1453}$
$P_i(12)$	T_{20i+14}	$P_i(30)$	$T_{20i+174}$	$P_i(48)$	$T_{20i+1294}$	$P_i(66)$	$T_{20i+1454}$
$P_i(13)$	T_{20i+15}	$P_i(31)$	$T_{20i+175}$	$P_i(49)$	$T_{20i+1295}$	$P_i(67)$	$T_{20i+1455}$
$P_i(14)$	T_{20i+16}	$P_i(32)$	$T_{20i+176}$	$P_i(50)$	$T_{20i+1296}$	$P_i(68)$	$T_{20i+1456}$
$P_i(15)$	T_{20i+17}	$P_i(33)$	$T_{20i+177}$	$P_i(51)$	$T_{20i+1297}$	$P_i(69)$	$T_{20i+1457}$
$P_i(16)$	T_{20i+18}	$P_i(34)$	$T_{20i+178}$	$P_i(52)$	$T_{20i+1298}$	$P_i(70)$	$T_{20i+1458}$
$P_i(17)$	T_{20i+19}	$P_i(35)$	$T_{20i+179}$	$P_i(53)$	$T_{20i+1299}$	$P_i(71)$	$T_{20i+1459}$

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FIG. 23

TONES ALLOCATED TO CLC/CAC IN SUBBAND PAIR i (CLC _i /CAC _{i,0})							
INDEX	ZONE	INDEX	ZONE	INDEX	ZONE	INDEX	ZONE
0	T _{320i}	1	T _{320i+20}	2	T _{320i+40}	3	T _{320i+60}
4	T _{320i+160}	5	T _{320i+180}	6	T _{320i+200}	7	T _{320i+220}
8	T _{320i+1280}	9	T _{320i+1300}	10	T _{320i+1320}	11	T _{320i+1340}
12	T _{320i+1440}	13	T _{320i+1460}	14	T _{320i+1480}	15	T _{320i+1500}
TONES ALLOCATED TO BRC/CAC IN SUBBAND PAIR i (BRC _i /CAC _{i,g})							
INDEX	ZONE	INDEX	ZONE	INDEX	ZONE	INDEX	ZONE
0	T _{320i+90}	1	T _{320i+110}	2	T _{320i+130}	3	T _{320i+150}
4	T _{320i+250}	5	T _{320i+270}	6	T _{320i+290}	7	T _{320i+310}
8	T _{320i+1370}	9	T _{320i+1390}	10	T _{320i+1410}	11	T _{320i+1430}
12	T _{320i+1530}	13	T _{320i+1550}	14	T _{320i+1570}	15	T _{320i+1590}
TONES ALLOCATED TO RSC/DCC IN SUBBAND PAIR i (RSC _i /DCC _i)							
INDEX	ZONE	INDEX	ZONE	INDEX	ZONE	INDEX	ZONE
0	T _{320i+10}	1	T _{320i+20}	2	T _{320i+50}	3	T _{320i+70}
4	T _{320i+80}	5	T _{320i+100}	6	T _{320i+120}	7	T _{320i+140}
8	T _{320i+170}	9	T _{320i+190}	10	T _{320i+210}	11	T _{320i+230}
12	T _{320i+240}	13	T _{320i+260}	14	T _{320i+280}	15	T _{320i+300}
16	T _{320i+1290}	17	T _{320i+1310}	18	T _{320i+1330}	19	T _{320i+1350}
20	T _{320i+1360}	21	T _{320i+1380}	22	T _{320i+1400}	23	T _{320i+1420}
24	T _{320i+1450}	25	T _{320i+1470}	26	T _{320i+1490}	27	T _{320i+1510}
28	T _{320i+1520}	29	T _{320i+1540}	30	T _{320i+1560}	31	T _{320i+1580}

FIG. 24

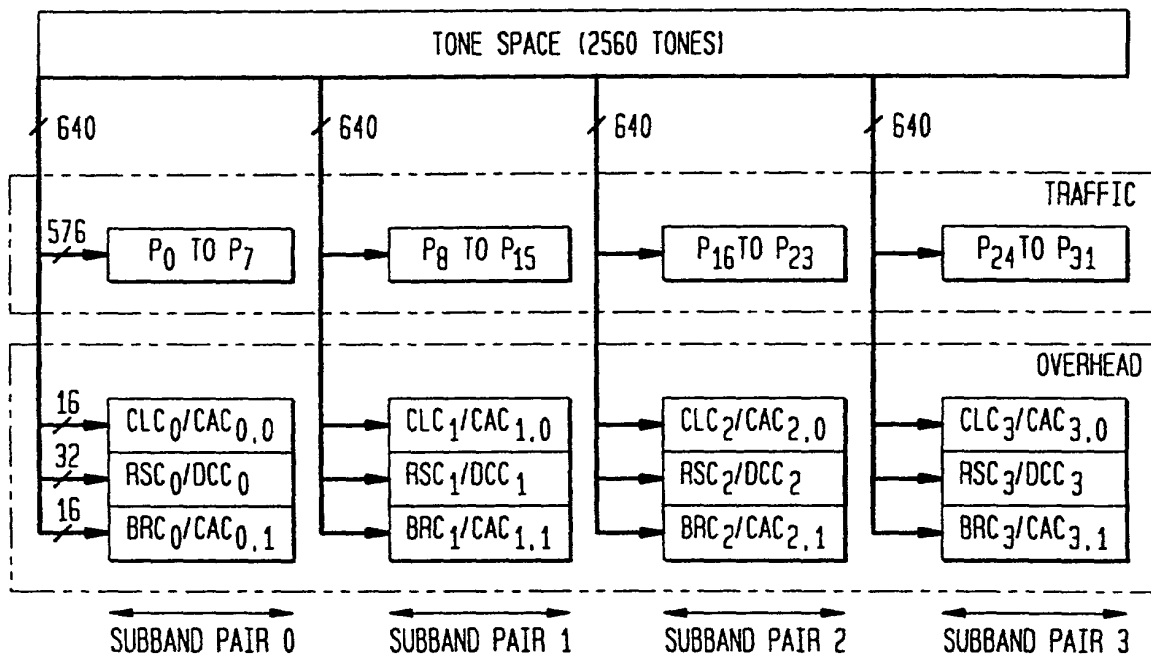


FIG. 25

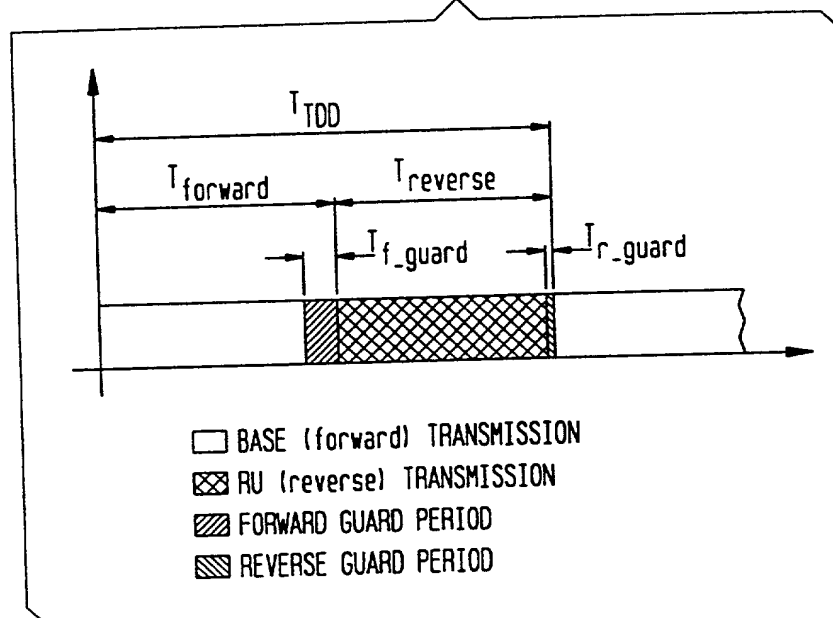


FIG. 26

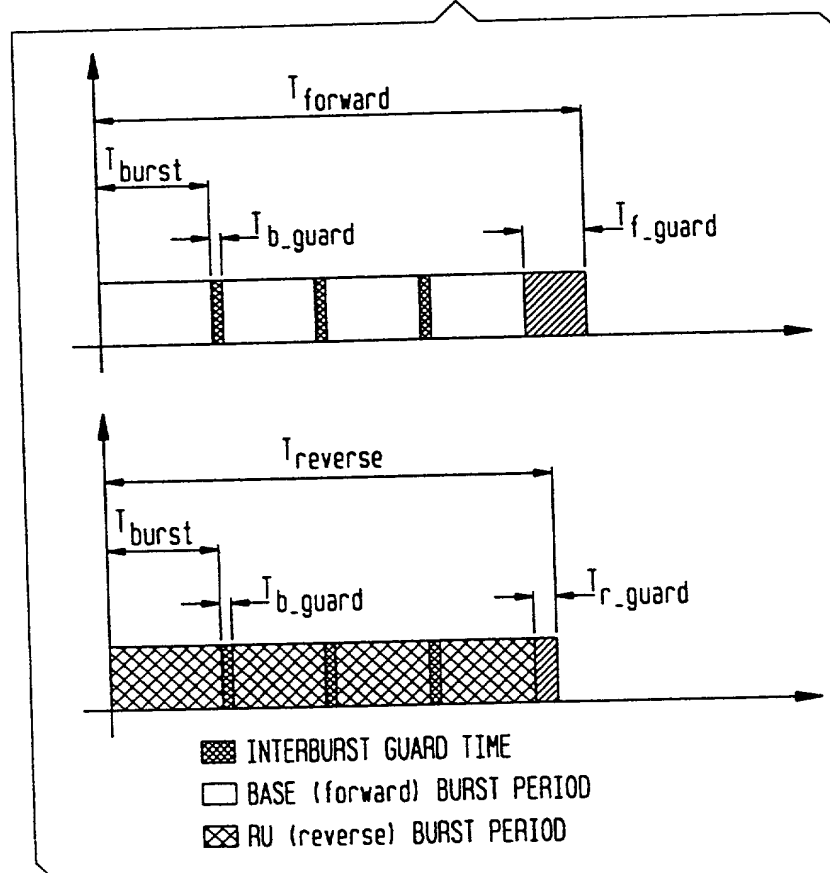


FIG. 27

TDD PARAMETER	VALUE (μ s)
T _{forward}	1610
T _{reverse}	1390
T _{f_guard}	255
T _{r_guard}	35
T _{revisit}	3000
T _{burst}	320
T _{b_guard}	25

FIG. 28

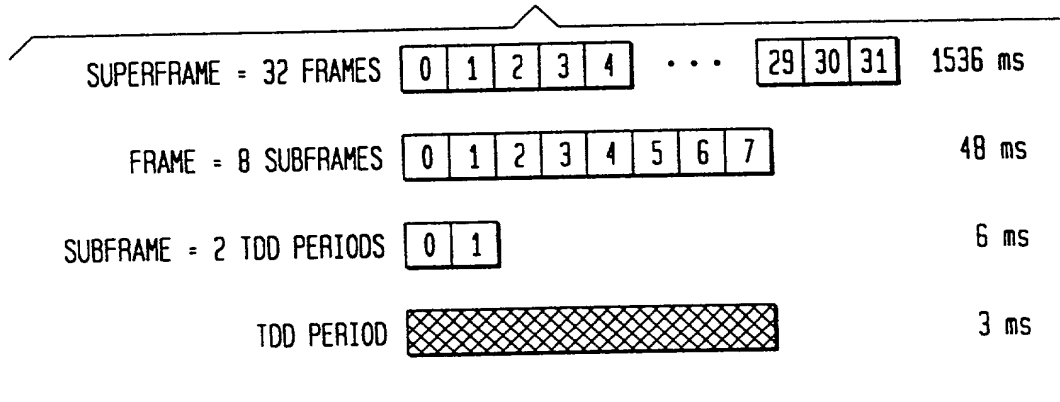


FIG. 29

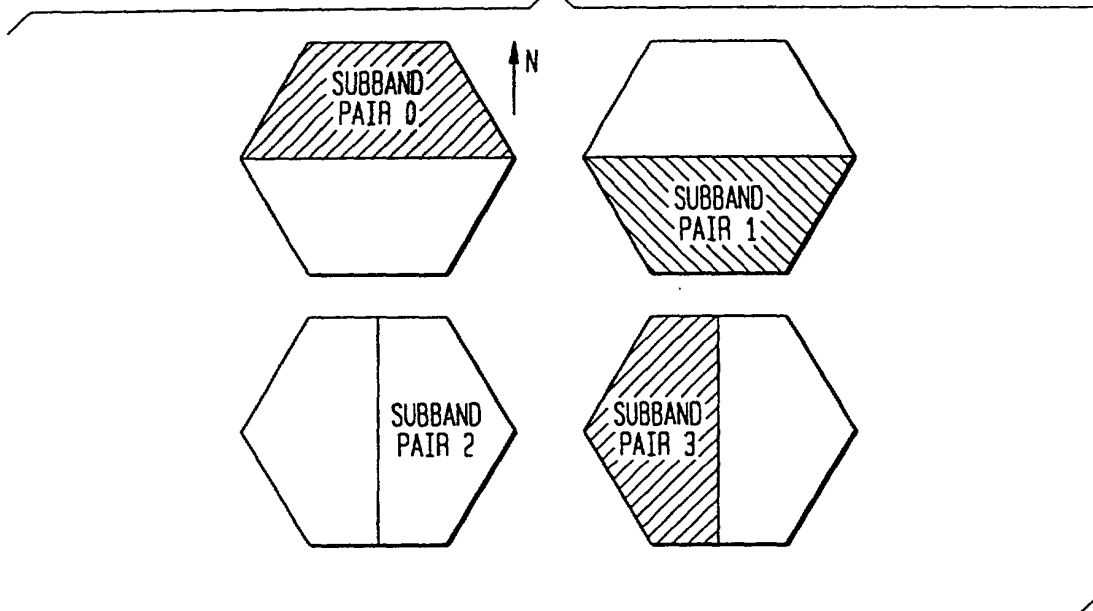


FIG. 30

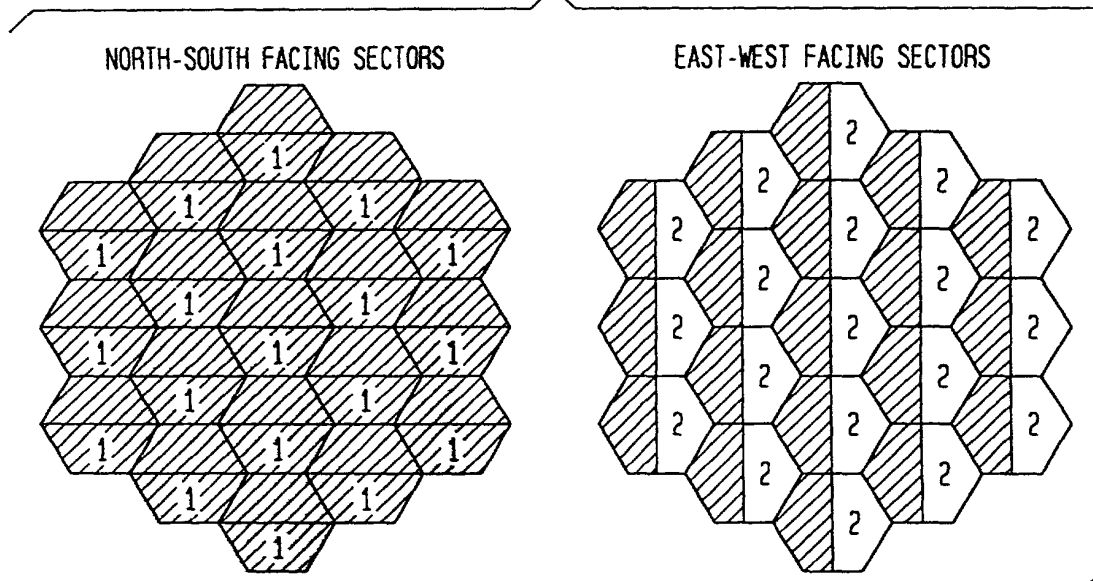
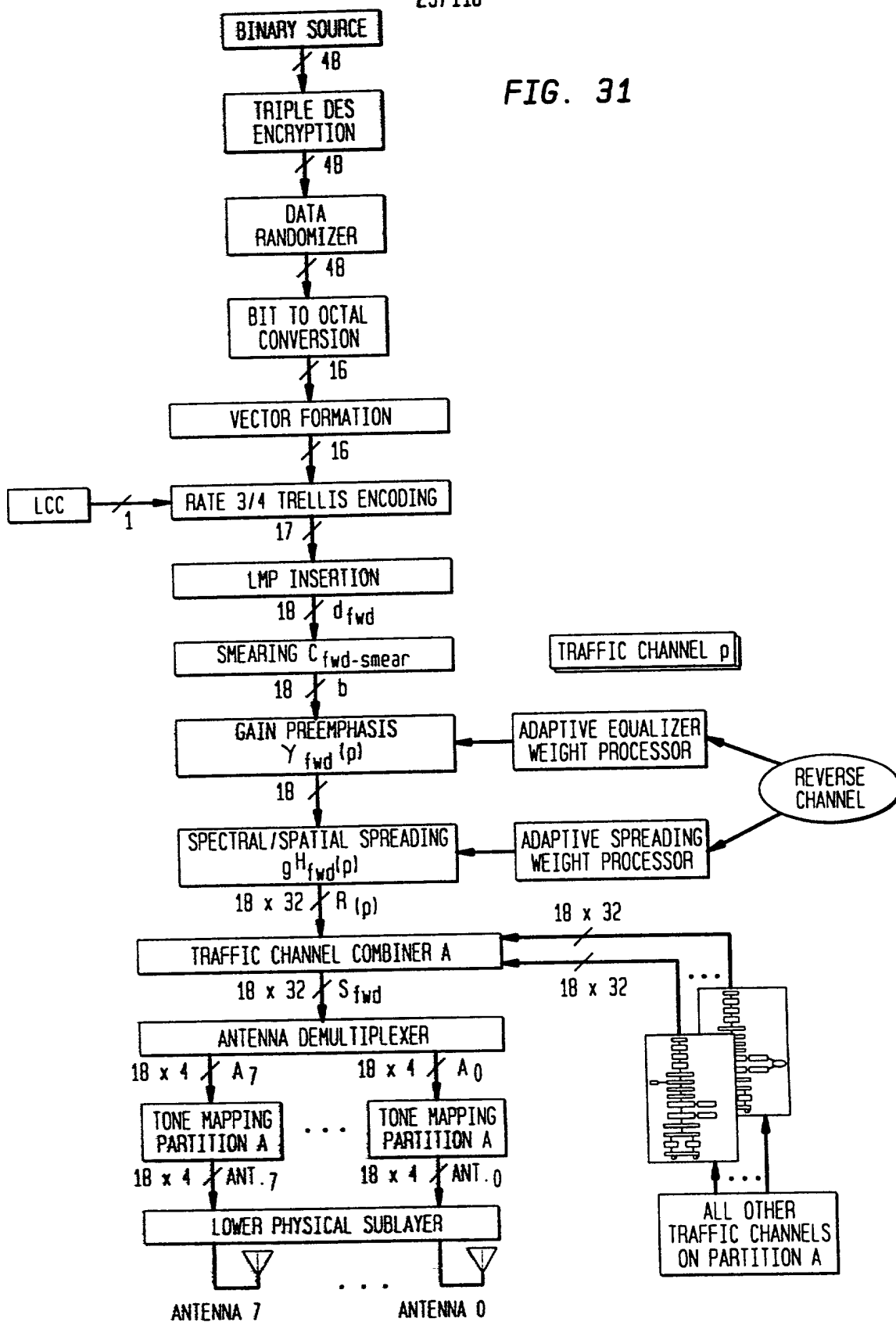


FIG. 31



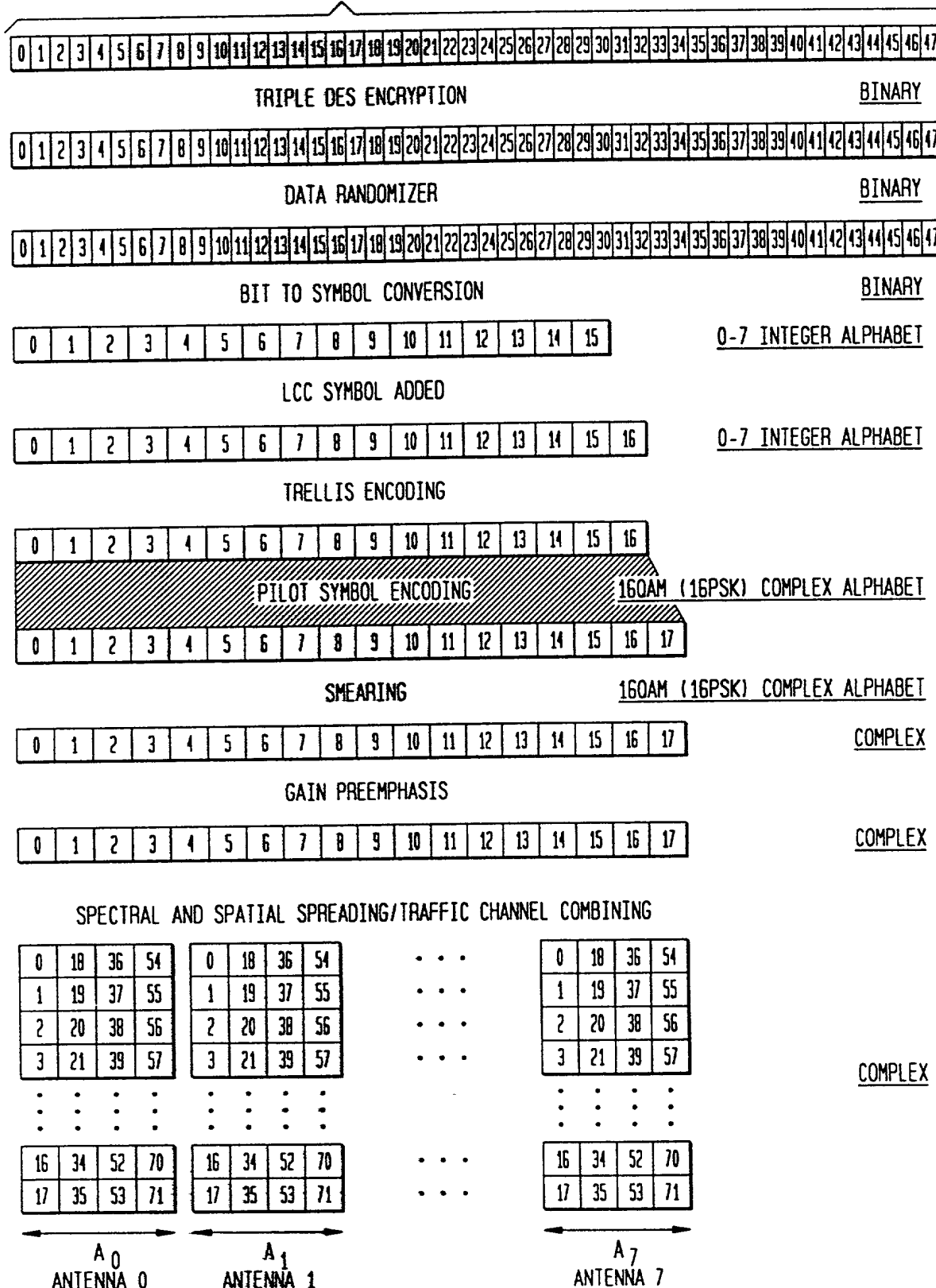
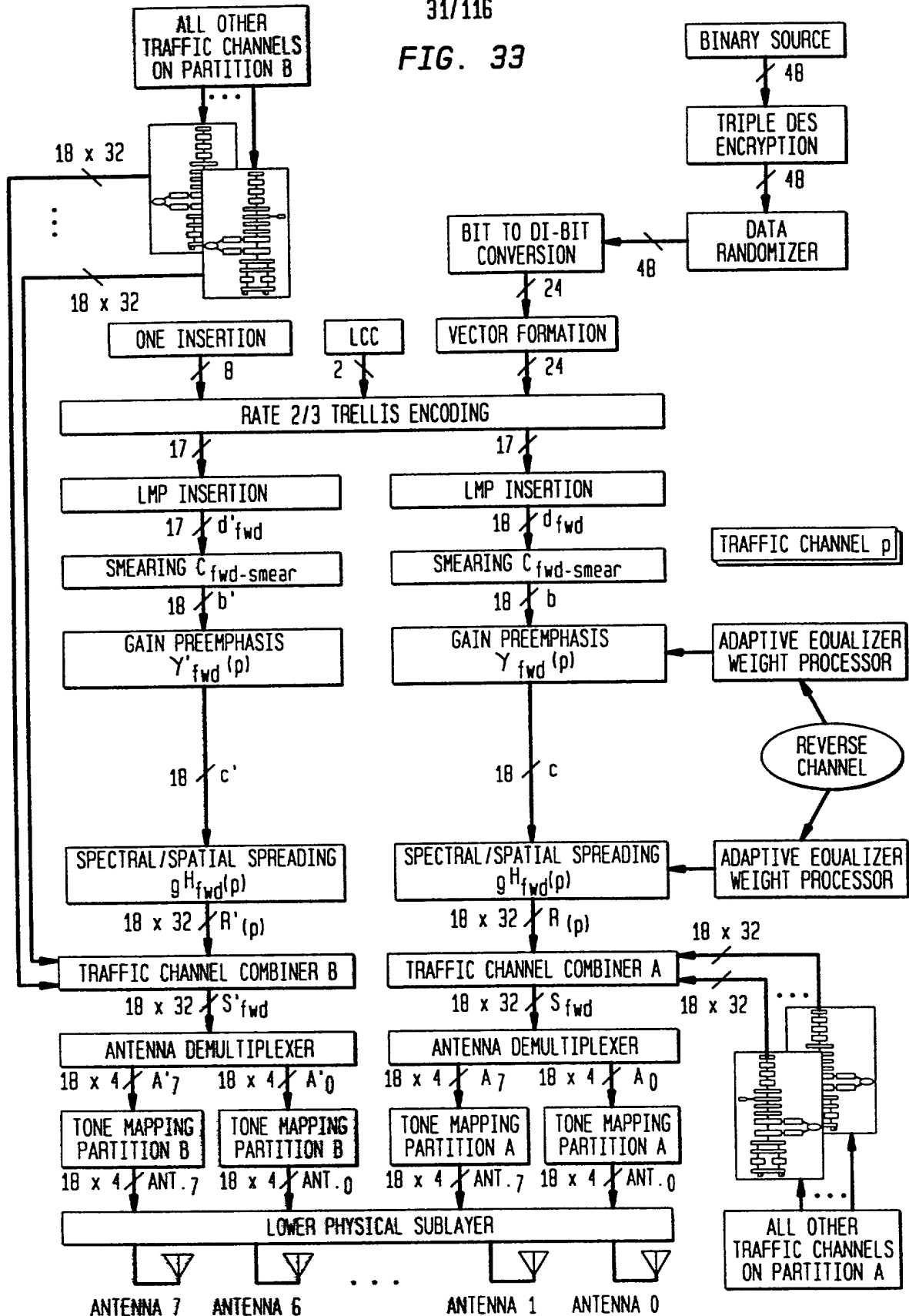


FIG. 33



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FIG. 34 32/116

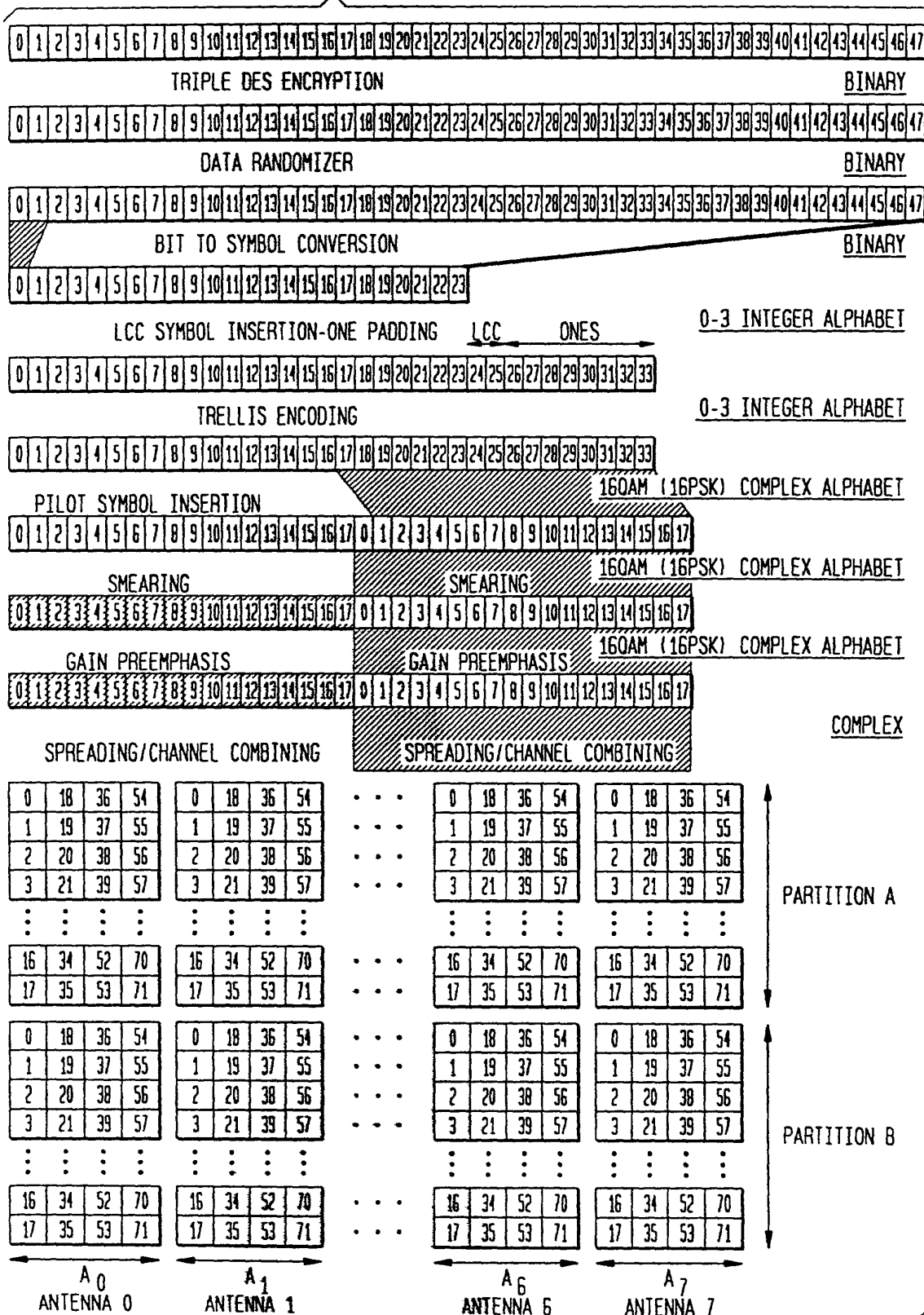


FIG. 35

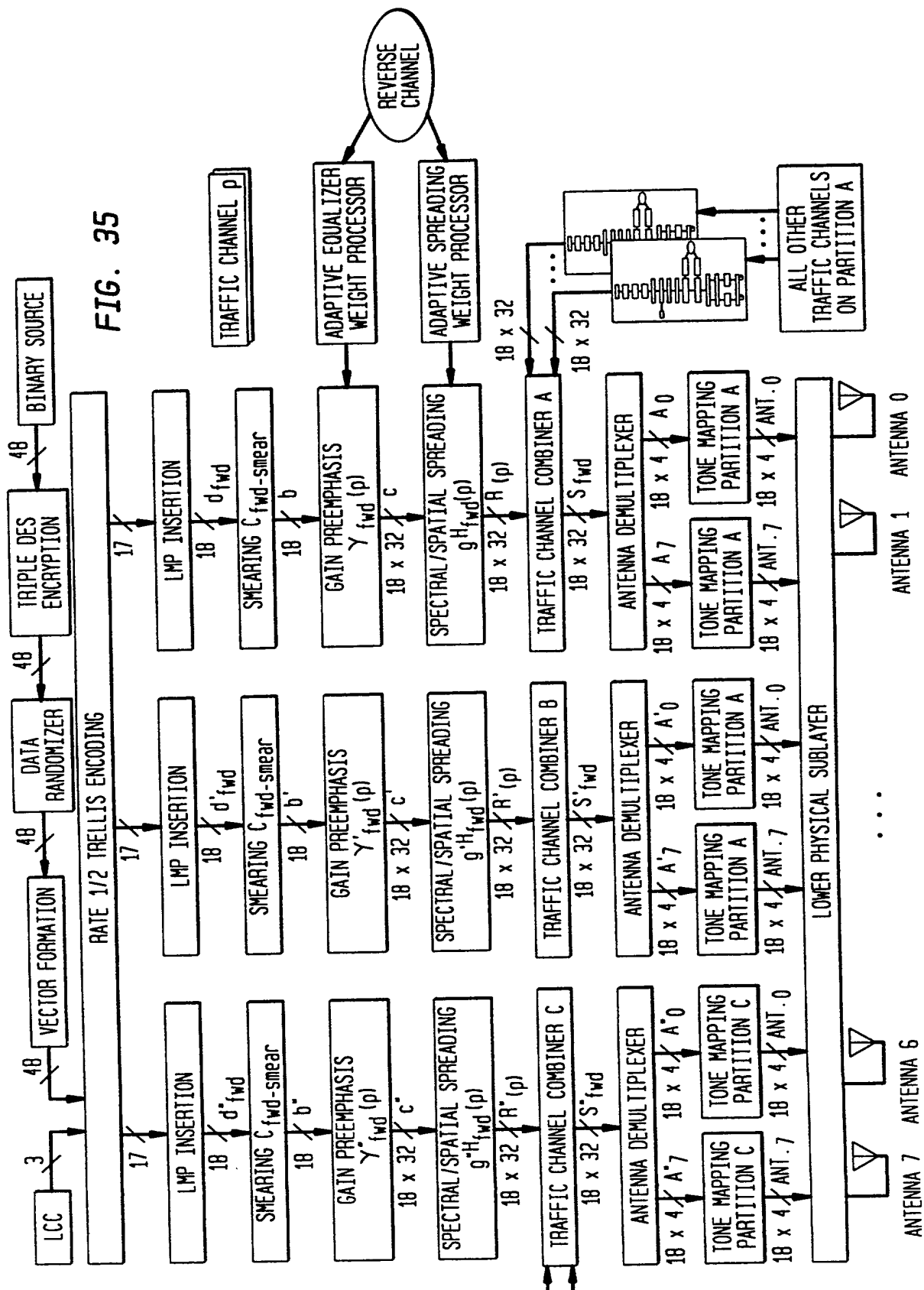
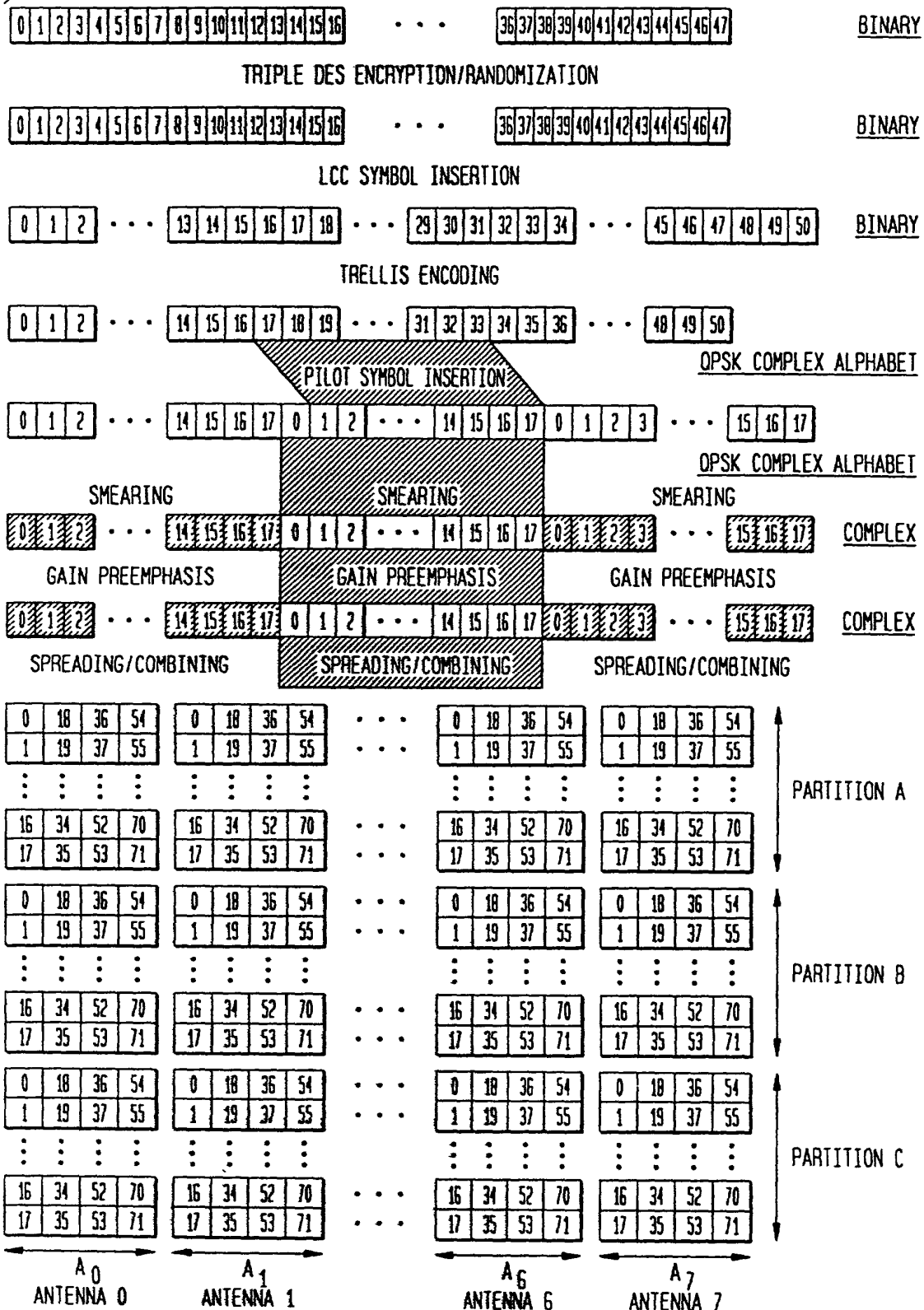


FIG. 36

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FIG. 37

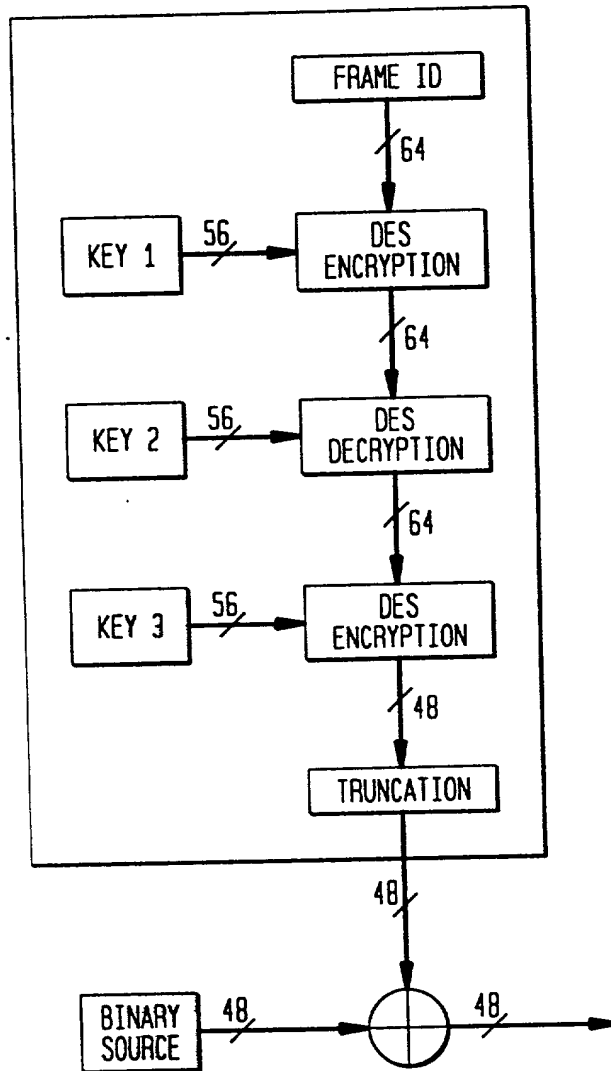
0920903-080204
T0E080-00502650

FIG. 38

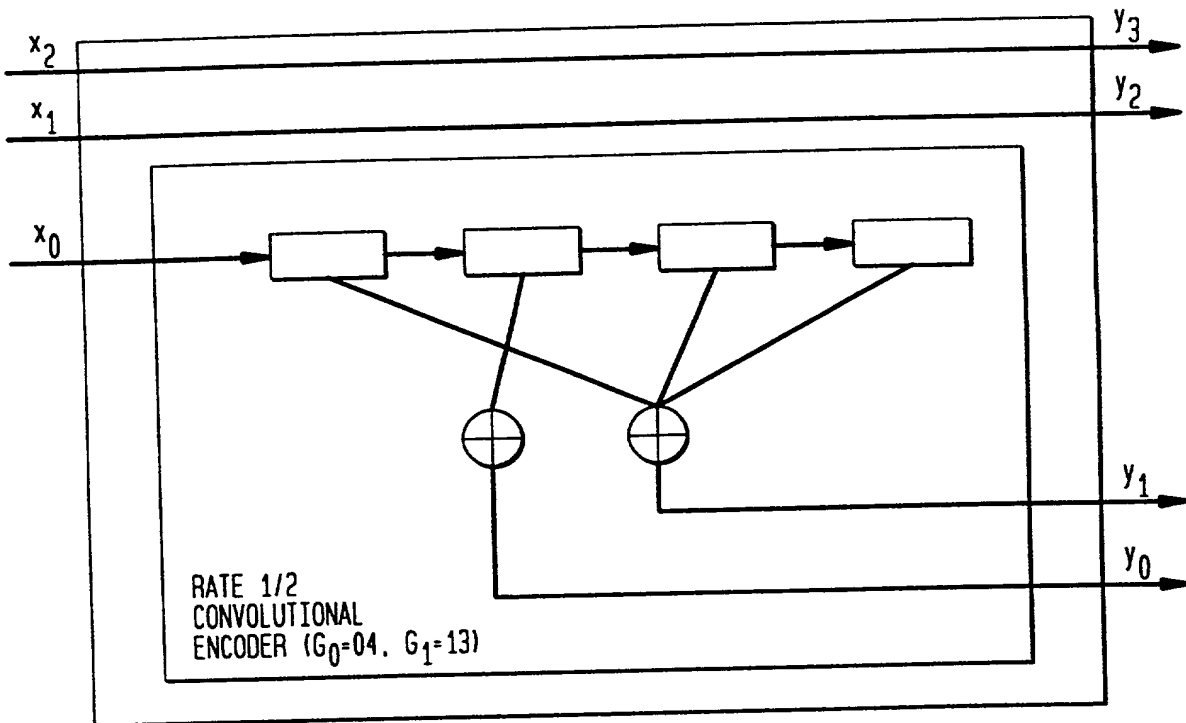
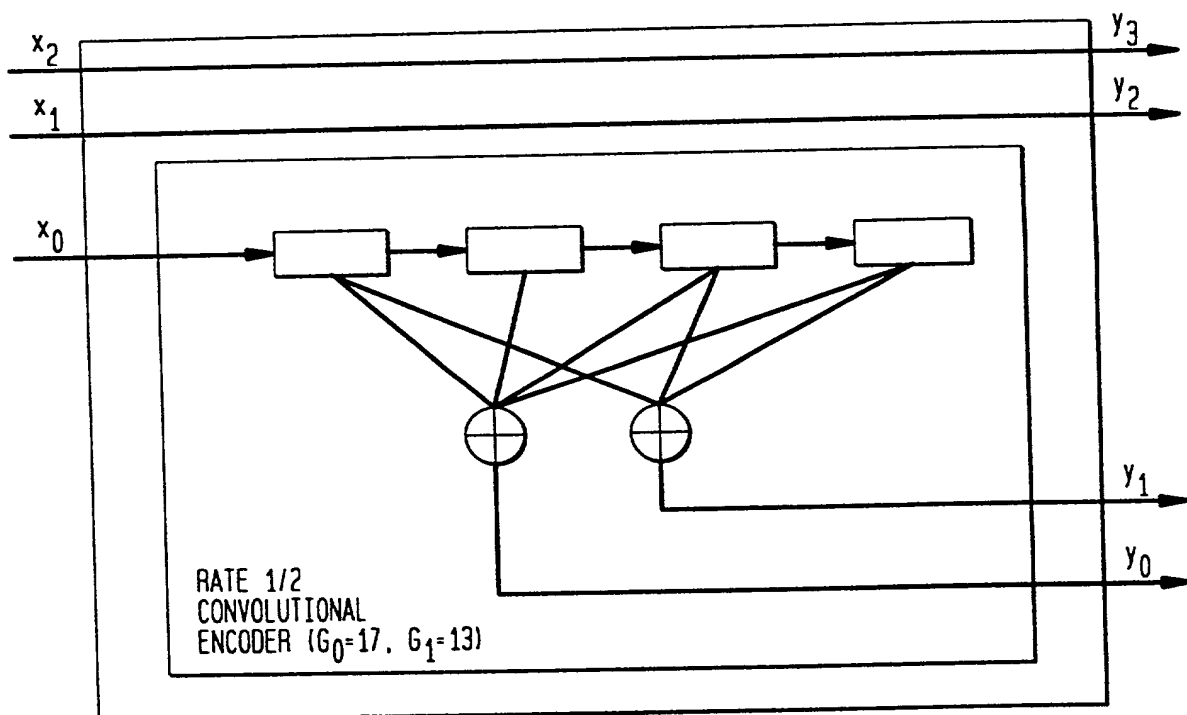


FIG. 39



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FIG. 40

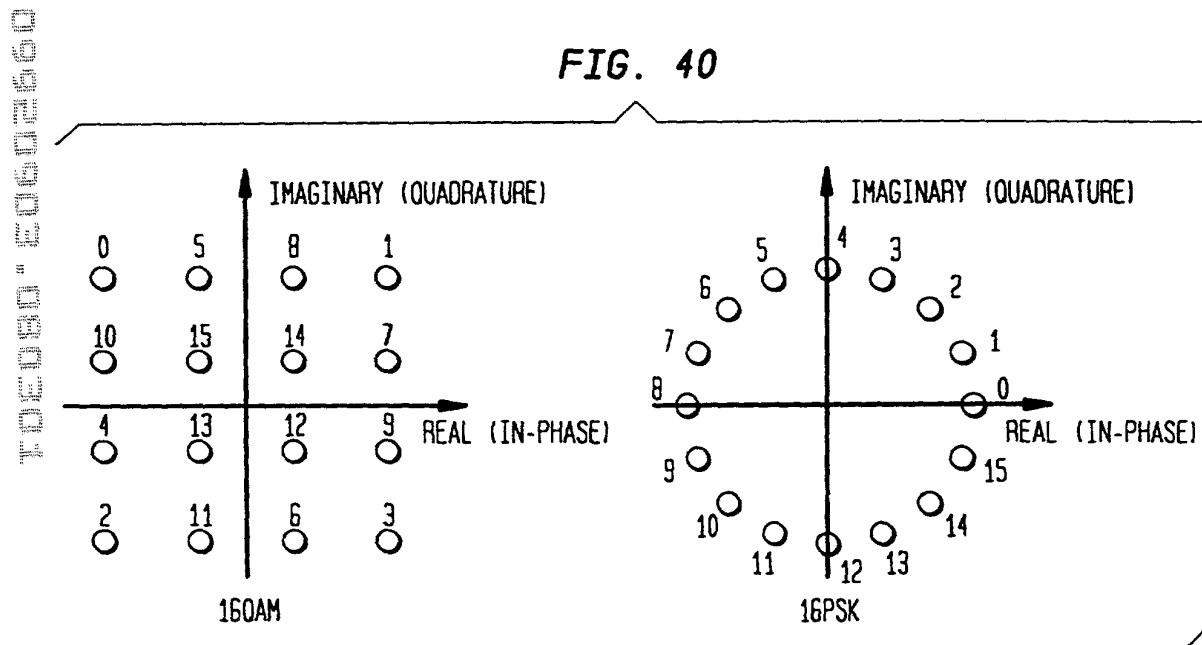


FIG. 41

OUTPUT SYMBOL	OUTPUT BITS				SIGNAL MAPPING (16QAM)		SIGNAL MAPPING (16PSK)	
	y_3	y_2	y_1	y_0	IN PHASE	QUADRATURE	IN PHASE	QUADRATURE
0	0	0	0	0	$-3/\sqrt{10}$	$3/\sqrt{10}$	1.0	0.0
1	0	0	0	1	$3/\sqrt{10}$	$3/\sqrt{10}$	0.924	0.383
2	0	0	1	0	$-3/\sqrt{10}$	$-3/\sqrt{10}$	0.707	0.707
3	0	0	1	1	$3/\sqrt{10}$	$-3/\sqrt{10}$	0.383	0.924
4	0	1	0	0	$-3/\sqrt{10}$	$-1/\sqrt{10}$	0	1
5	0	1	0	1	$-1/\sqrt{10}$	$3/\sqrt{10}$	-0.383	0.924
6	0	1	1	0	$1/\sqrt{10}$	$-3/\sqrt{10}$	-0.707	0.707
7	0	1	1	1	$3/\sqrt{10}$	$1/\sqrt{10}$	-0.924	0.383
8	1	0	0	0	$1/\sqrt{10}$	$3/\sqrt{10}$	-1.0	0.0
9	1	0	0	1	$3/\sqrt{10}$	$-1/\sqrt{10}$	-0.924	-0.383
10	1	0	1	0	$-3/\sqrt{10}$	$1/\sqrt{10}$	-0.707	-0.707
11	1	0	1	1	$-1/\sqrt{10}$	$-3/\sqrt{10}$	-0.383	-0.924
12	1	1	0	0	$1/\sqrt{10}$	$-1/\sqrt{10}$	0	-1
13	1	1	0	1	$-1/\sqrt{10}$	$-1/\sqrt{10}$	0.383	-0.924
14	1	1	1	0	$1/\sqrt{10}$	$1/\sqrt{10}$	0.707	-0.707
15	1	1	1	1	$-1/\sqrt{10}$	$1/\sqrt{10}$	0.924	-0.383

FIG. 41

FIG. 42

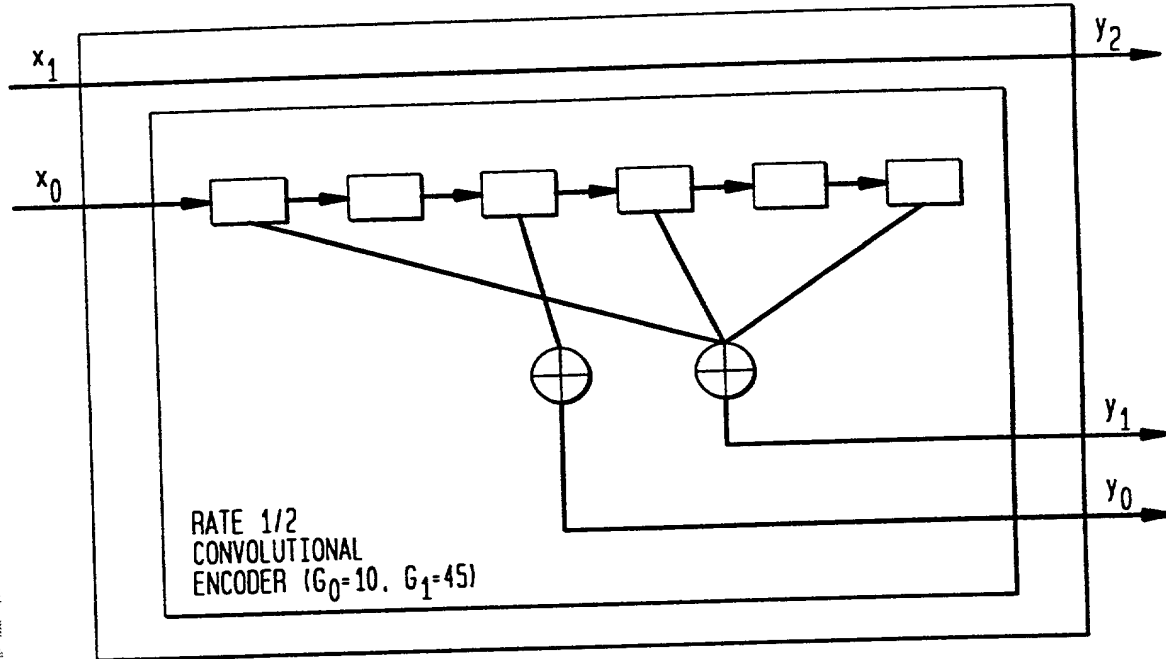
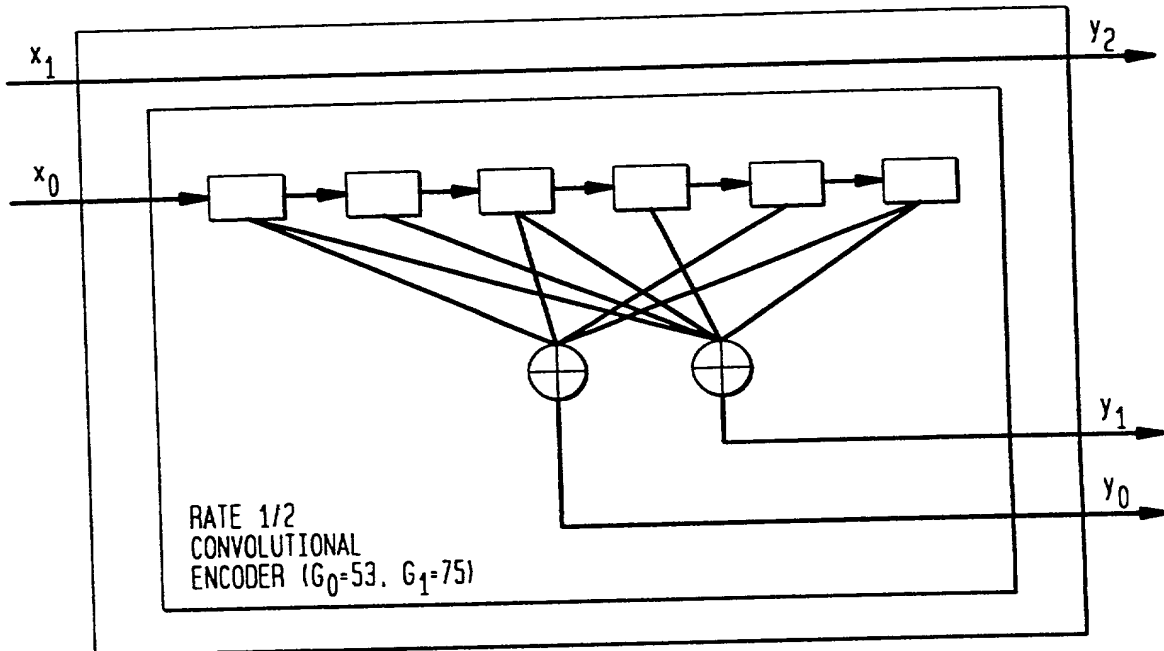


FIG. 43



10E080" E0602660

FIG. 44

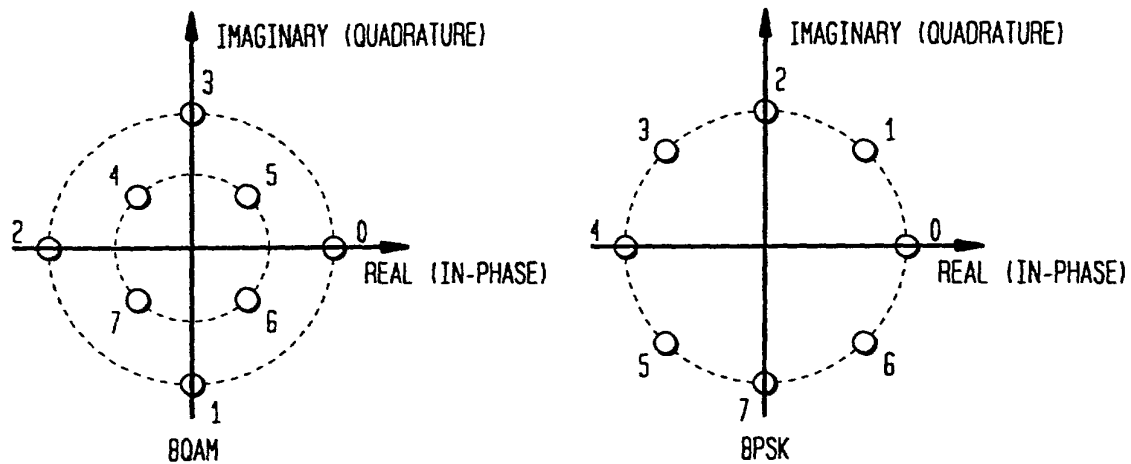


FIG. 45

OUTPUT SYMBOL	OUTPUT BITS			SIGNAL MAPPING (8QAM)		SIGNAL MAPPING (8PSK)	
	y_2	y_1	y_0	IN PHASE	QUADRATURE	IN PHASE	QUADRATURE
0	0	0	0	1.21	0	1	0
1	0	0	1	0	-1.21	$1/\sqrt{2}$	$1/\sqrt{2}$
2	0	1	0	-1.21	0	0	1
3	0	1	1	0	1.21	$-1/\sqrt{2}$	$1/\sqrt{2}$
4	1	0	0	-0.518	0.518	-1	0
5	1	0	1	0.518	0.518	$-1/\sqrt{2}$	$-1/\sqrt{2}$
6	1	1	0	-0.518	-0.518	0	-1
7	1	1	1	-0.518	-0.518	$1/\sqrt{2}$	$-1/\sqrt{2}$

FIG. 46

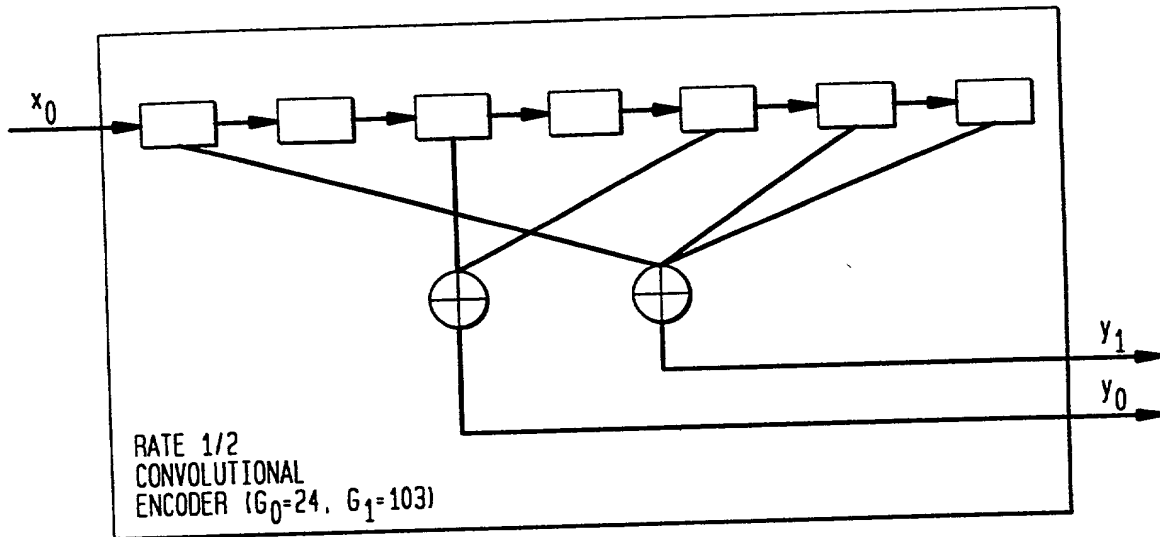


FIG. 47

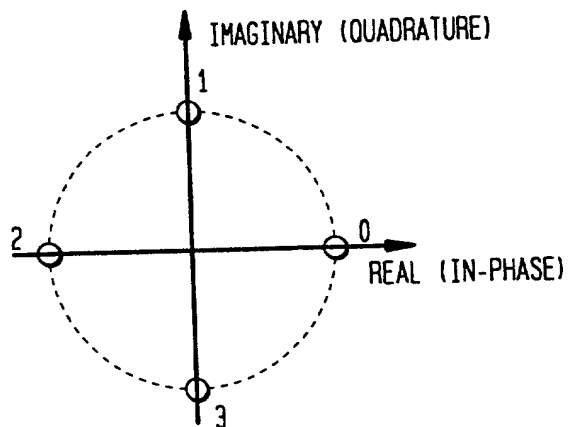


FIG. 46

FIG. 48

OUTPUT SYMBOL	OUTPUT BITS		SIGNAL MAPPING	
	y_1	y_0	IN PHASE	QUADRATURE
0	0	0	1	0
1	0	1	0	1
2	1	0	-1	0
3	1	1	0	-1

FIG. 49

$w_0 \rightarrow$ (ANTENNA ELEMENT 0, TONE 0)
 $w_1 \rightarrow$ (ANTENNA ELEMENT 0, TONE 1)
 $w_2 \rightarrow$ (ANTENNA ELEMENT 0, TONE 2)
 $w_3 \rightarrow$ (ANTENNA ELEMENT 0, TONE 3)
 $w_4 \rightarrow$ (ANTENNA ELEMENT 1, TONE 0)
 $w_5 \rightarrow$ (ANTENNA ELEMENT 1, TONE 1)
 $w_6 \rightarrow$ (ANTENNA ELEMENT 1, TONE 2)
 $w_7 \rightarrow$ (ANTENNA ELEMENT 1, TONE 3)

.
 .
 .

$w_{28} \rightarrow$ (ANTENNA ELEMENT 7, TONE 0)
 $w_{29} \rightarrow$ (ANTENNA ELEMENT 7, TONE 1)
 $w_{30} \rightarrow$ (ANTENNA ELEMENT 7, TONE 2)
 $w_{31} \rightarrow$ (ANTENNA ELEMENT 7, TONE 3)

09920903-000301

FIG. 50

T06080" C0602660

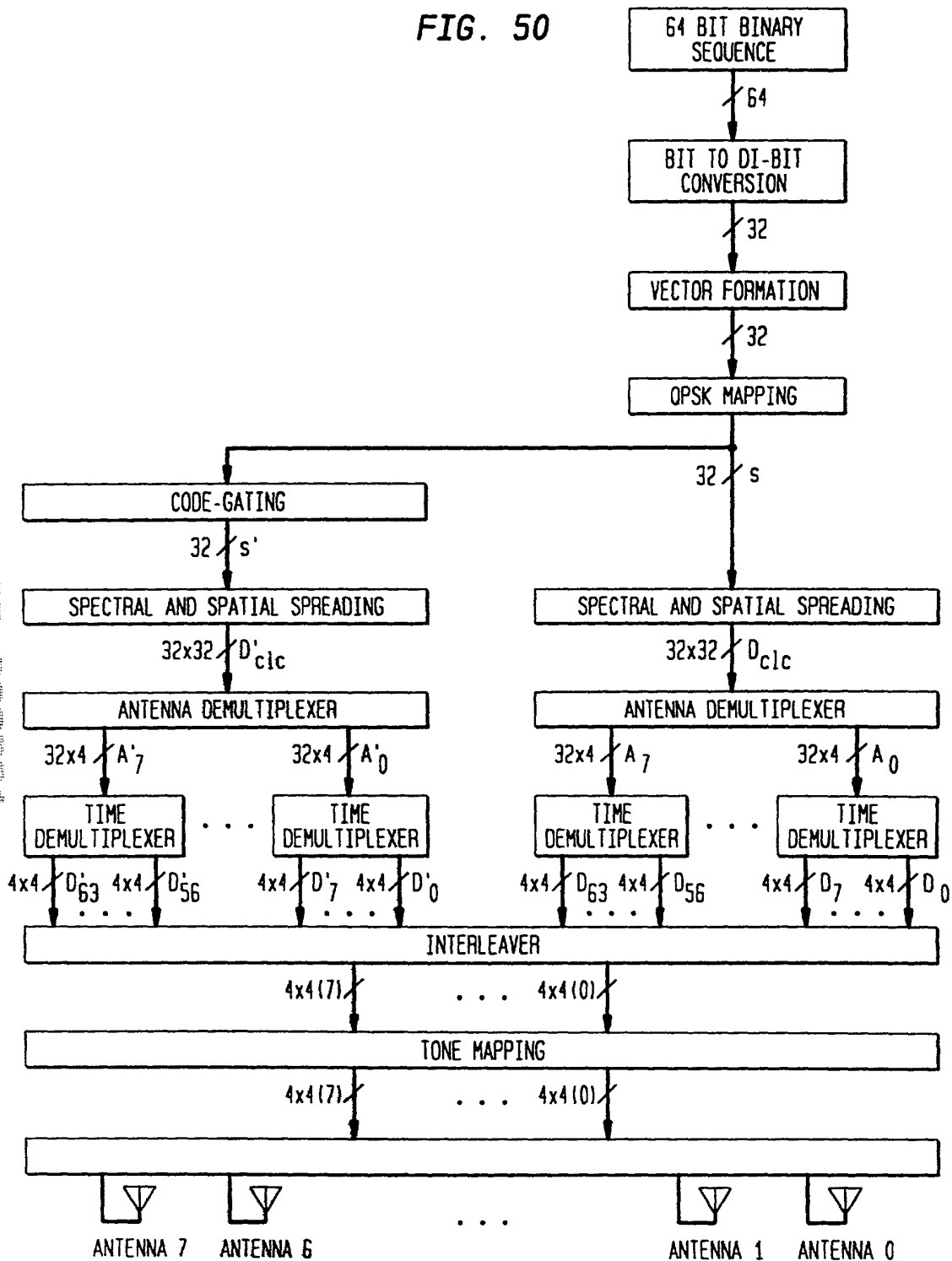


FIG. 51

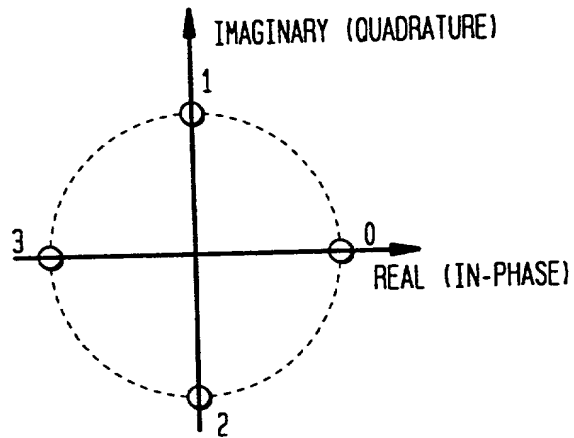


FIG. 51'

SYMBOL	SIGNAL MAPPING (16QAM)	
	IN PHASE	QUADRATURE
0	1	0
1	0	1
2	0	-1
3	-1	0

09920903 080301
T060800 E0602680

FIG. 52

BURST NUMBER																
ANTENNA	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	D ₀	D ₁	D ₂	D ₃	D ₄	D ₅	D ₆	D ₇	D ₈	D ₉	D ₁₀	D ₁₁	D ₁₂	D ₁₃	D ₁₄	D ₁₅
1	D ₈	D ₉	D ₁₀	D ₁₁	D ₁₂	D ₁₃	D ₁₄	D ₁₅	D ₁₆	D ₁₇	D ₁₈	D ₁₉	D ₂₀	D ₂₁	D ₂₂	D ₂₃
2	D ₁₆	D ₁₇	D ₁₈	D ₁₉	D ₂₀	D ₂₁	D ₂₂	D ₂₃	D ₂₄	D ₂₅	D ₂₆	D ₂₇	D ₂₈	D ₂₉	D ₃₀	D ₃₁
3	D ₂₄	D ₂₅	D ₂₆	D ₂₇	D ₂₈	D ₂₉	D ₃₀	D ₃₁	D ₃₂	D ₃₃	D ₃₄	D ₃₅	D ₃₆	D ₃₇	D ₃₈	D ₃₉
4	D ₃₂	D ₃₃	D ₃₄	D ₃₅	D ₃₆	D ₃₇	D ₃₈	D ₃₉	D ₄₀	D ₄₁	D ₄₂	D ₄₃	D ₄₄	D ₄₅	D ₄₆	D ₄₇
5	D ₄₀	D ₄₁	D ₄₂	D ₄₃	D ₄₄	D ₄₅	D ₄₆	D ₄₇	D ₄₈	D ₄₉	D ₅₀	D ₅₁	D ₅₂	D ₅₃	D ₅₄	D ₅₅
6	D ₄₈	D ₄₉	D ₅₀	D ₅₁	D ₅₂	D ₅₃	D ₅₄	D ₅₅	D ₅₆	D ₅₇	D ₅₈	D ₅₉	D ₆₀	D ₆₁	D ₆₂	D ₆₃
7	D ₅₆	D ₅₇	D ₅₈	D ₅₉	D ₆₀	D ₆₁	D ₆₂	D ₆₃	D ₆₄	D ₆₅	D ₆₆	D ₆₇	D ₆₈	D ₆₉	D ₇₀	D ₇₁

FIG. 53

COLUMN NUMBER				
ROW NUMBER	0	1	2	3
	$CLC_i(0)^a$	$CLC_i(4)$	$CLC_i(8)$	$CLC_i(12)$
	$CLC_i(1)$	$CLC_i(5)$	$CLC_i(9)$	$CLC_i(13)$
	$CLC_i(2)$	$CLC_i(6)$	$CLC_i(10)$	$CLC_i(14)$
	$CLC_i(3)$	$CLC_i(7)$	$CLC_i(11)$	$CLC_i(15)$

a. i IS THE SUBBAND PAIR INDEX (0, 1, 2, OR 3)

FIG. 54

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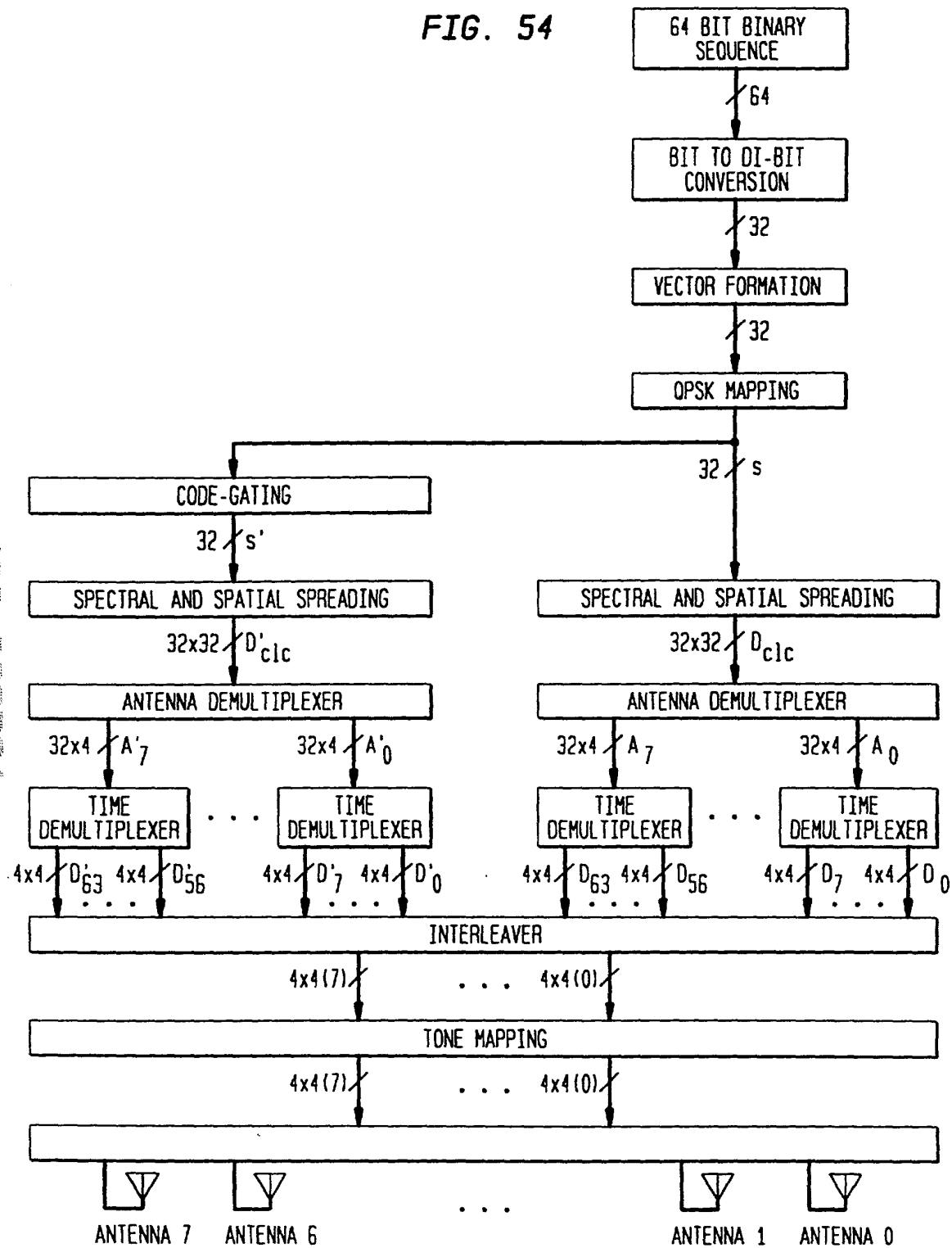


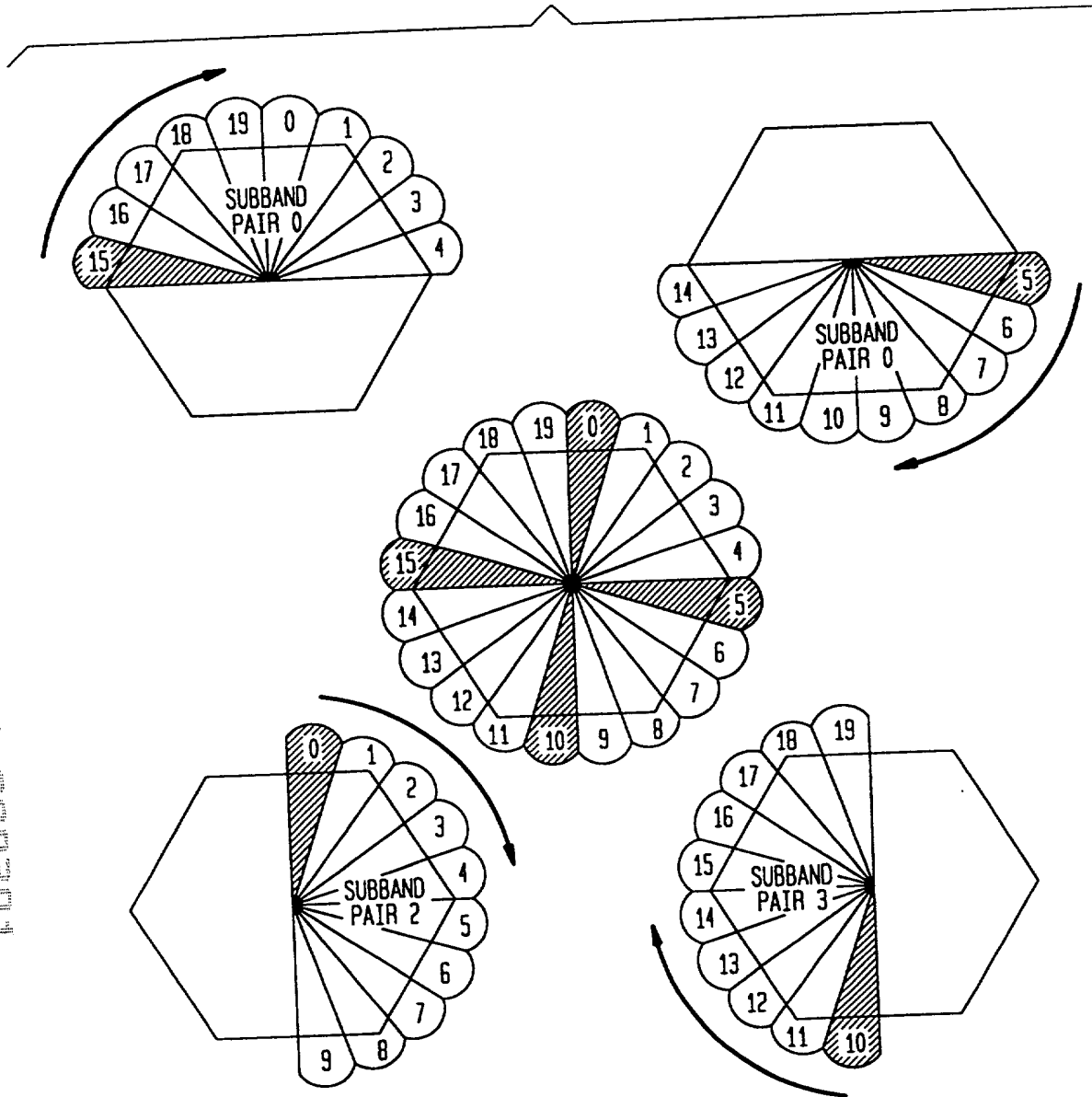
FIG. 55

		COLUMN NUMBER			
		0	1	2	3
ROW NUMBER	0	$BRC_i(0)^a$	$BRC_i(4)$	$BRC_i(8)$	$BRC_i(12)$
	1	$BRC_i(1)$	$BRC_i(5)$	$BRC_i(9)$	$BRC_i(13)$
	2	$BRC_i(2)$	$BRC_i(6)$	$BRC_i(10)$	$BRC_i(14)$
	3	$BRC_i(3)$	$BRC_i(7)$	$BRC_i(11)$	$BRC_i(15)$

a. i IS THE SUBBAND PAIR INDEX (0, 1, 2, OR 3). FOR THE BROADCAST CHANNEL ALL THE SUBBAND PAIRS WILL BE ACTIVE AT THE SAME TIME.

TABLE 5060266D

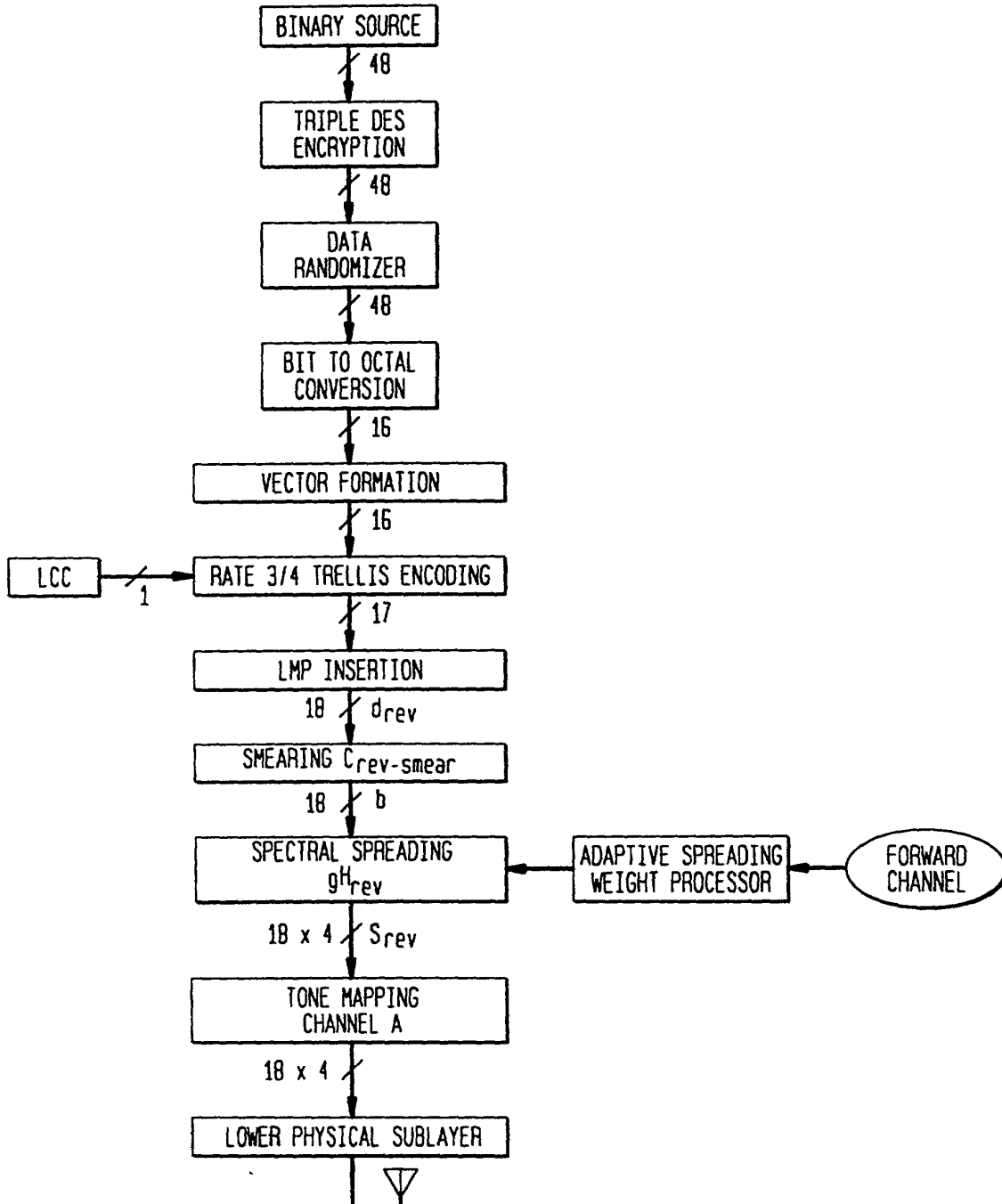
FIG. 56



	BEAM SWEEPING ORDER									
0	15	16	17	18	19	0	1	2	3	4
1	5	6	7	8	9	10	11	12	13	14
2	0	1	2	3	4	5	6	7	8	9
3	10	11	12	13	13	14	15	16	17	18

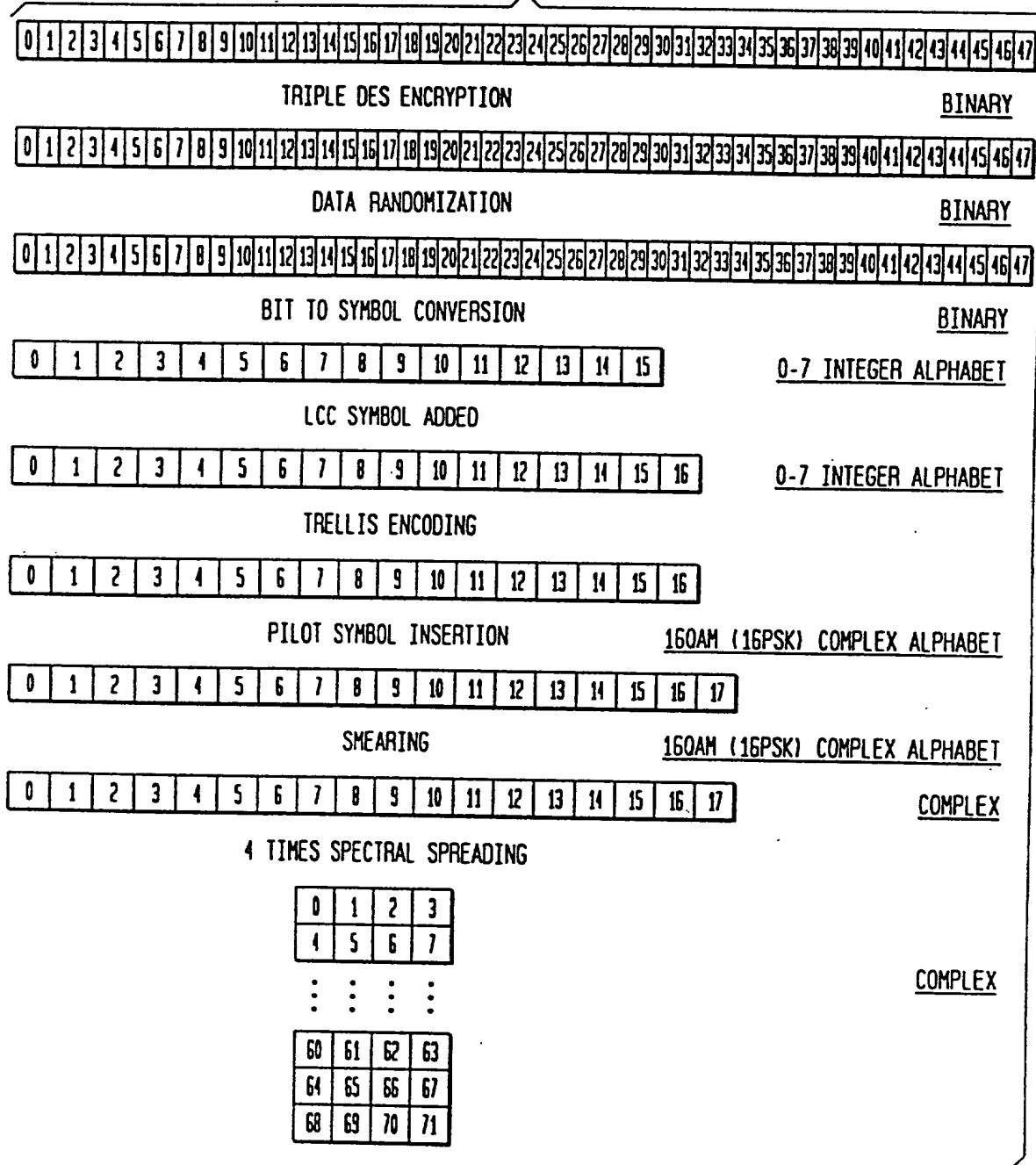
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FIG. 57



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FIG. 58



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FIG. 60

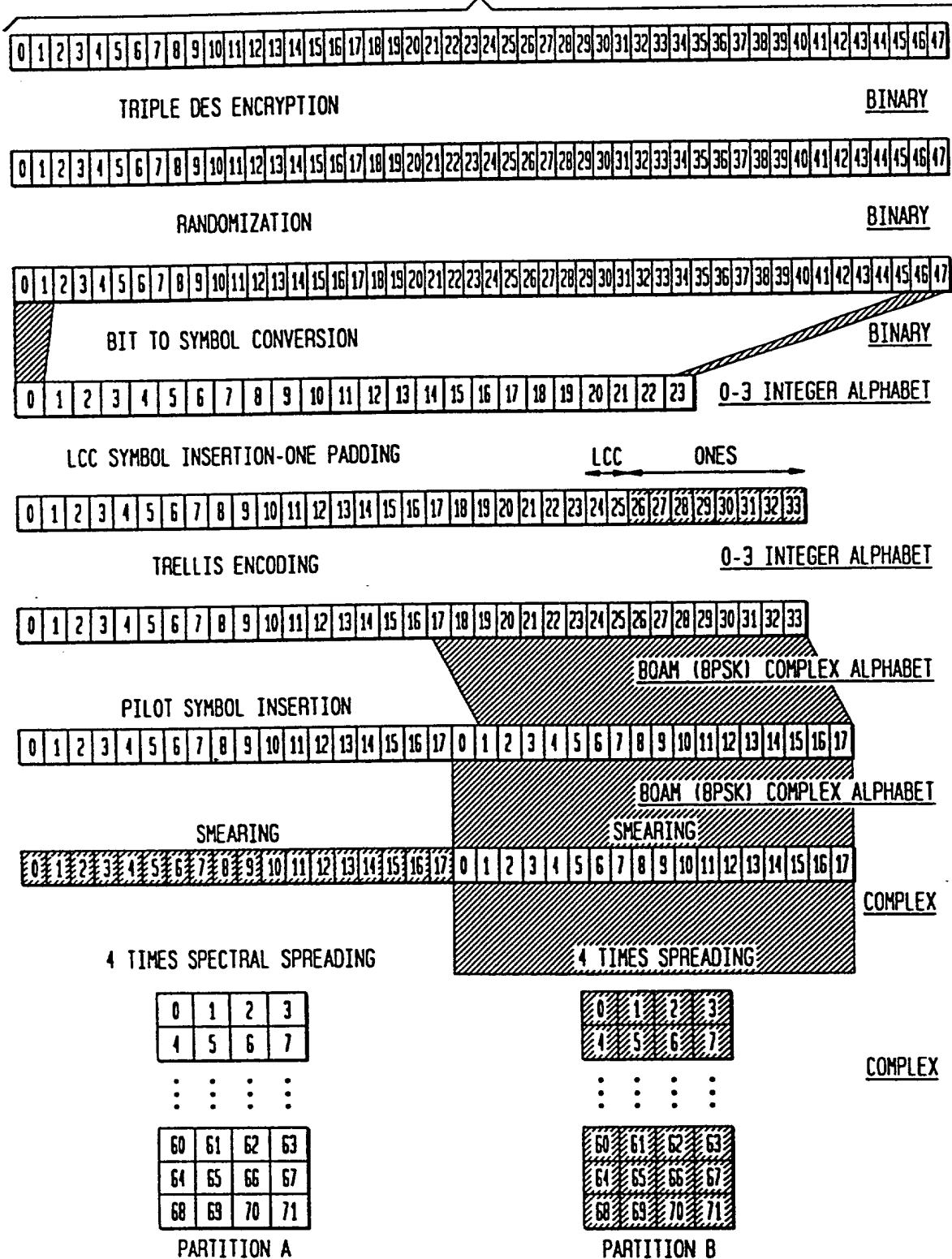


FIG. 61

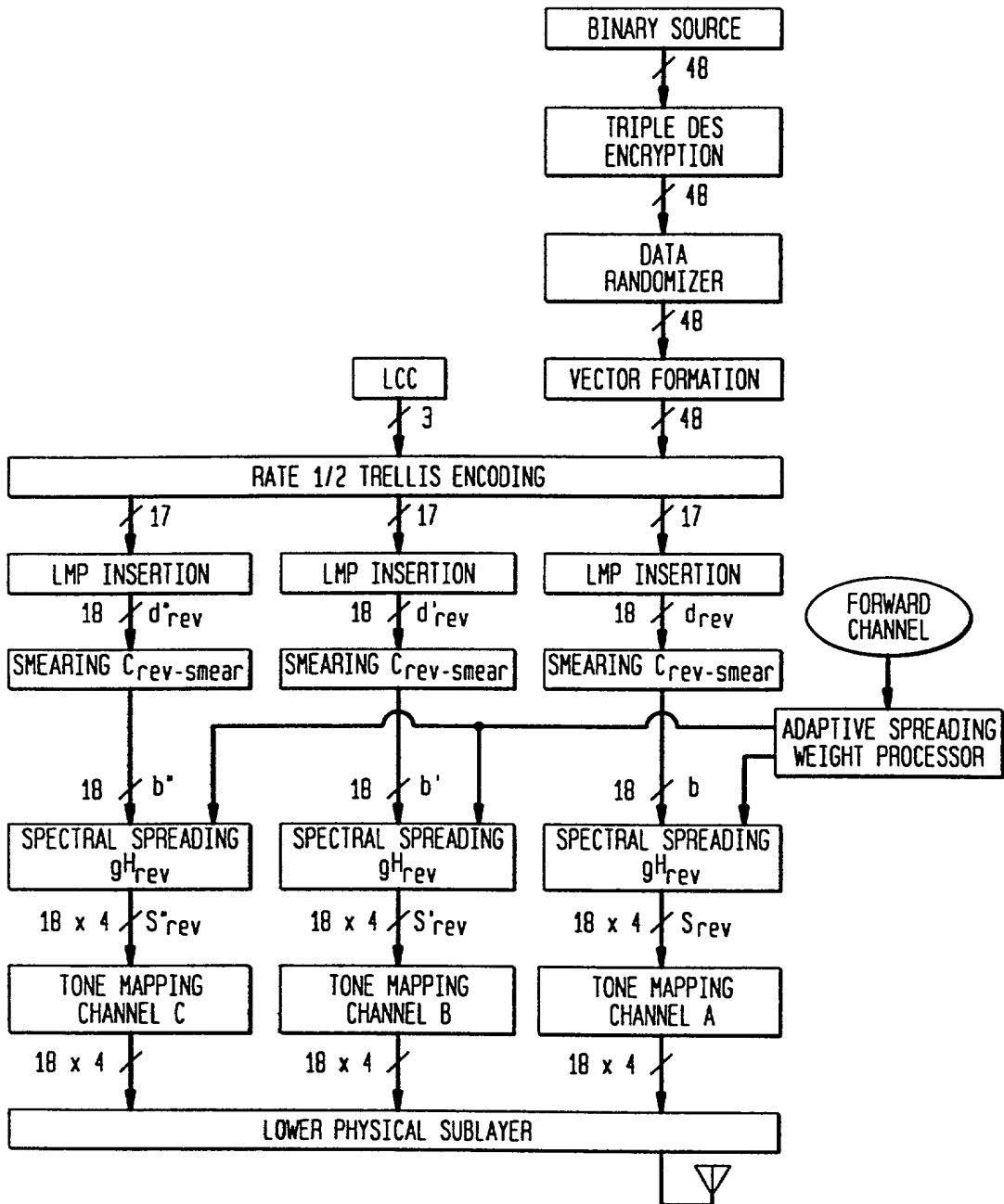


FIG. 62

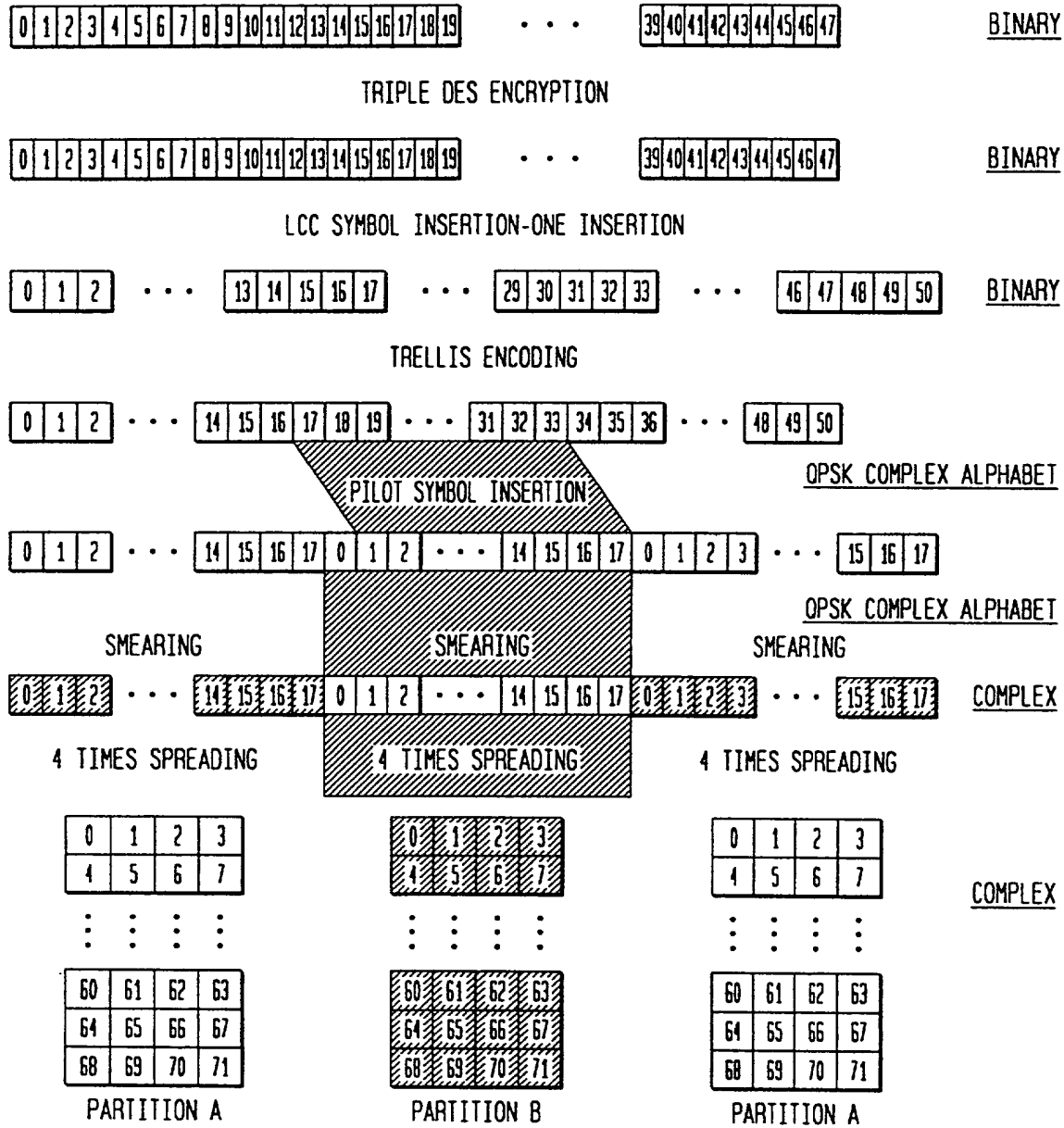


FIG. 63

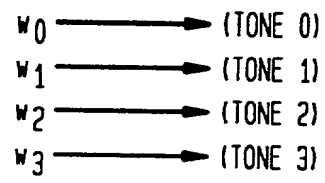


FIG. 65

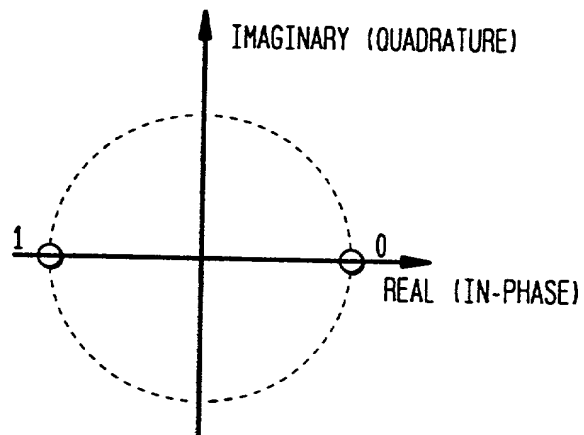
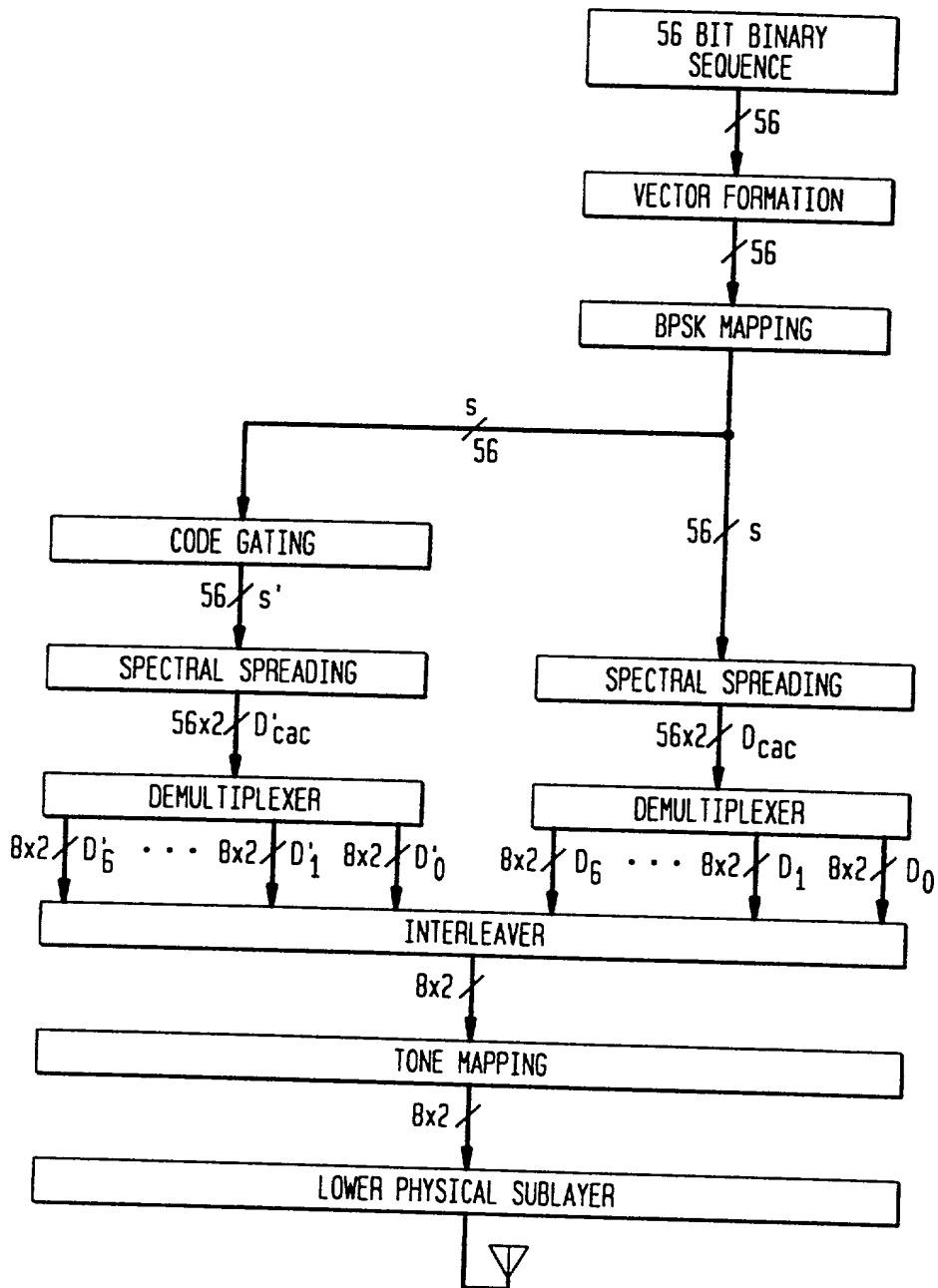


FIG. 64



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FIG. 65'

BIT	SIGNAL MAPPING	
	IN PHASE	QUADRATURE
0	1	0
1	-1	0

FIG. 66

		BURST NUMBER													
		0	1	2	3	4	5	6	7	8	9	10	11	12	13
MATRIX		D_0	D_1	D_2	D_3	D_4	D_5	D_6	D'_6	D'_5	D'_4	D'_3	D'_2	D'_1	D'_0

FIG. 67

		COLUMN NUMBER	
		0	1
ROW NUMBER	0	$CAC_{ij}(0)^a$	$CAC_{ij}(8)$
	1	$CAC_{ij}(1)$	$CAC_{ij}(9)$
	2	$CAC_{ij}(2)$	$CAC_{ij}(10)$
	3	$CAC_{ij}(3)$	$CAC_{ij}(11)$
	4	$CAC_{ij}(4)$	$CAC_{ij}(12)$
	5	$CAC_{ij}(5)$	$CAC_{ij}(13)$
	6	$CAC_{ij}(6)$	$CAC_{ij}(14)$
	7	$CAC_{ij}(7)$	$CAC_{ij}(15)$

a. i IS THE SUBBAND PAIR INDEX (0,1,2,OR 3)
 AND j IS THE CAC ID (0 OR 1)

FIG. 68

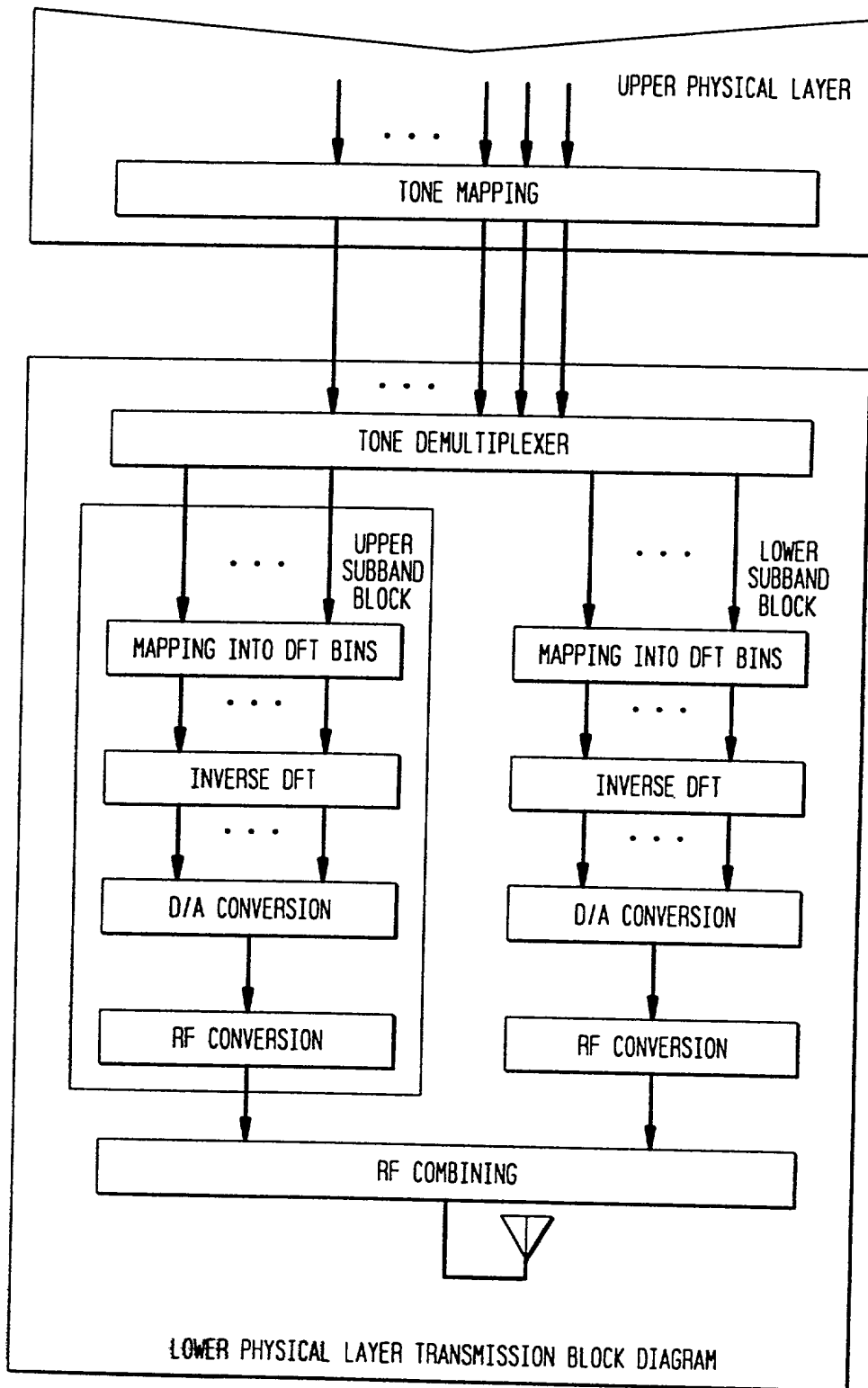


FIG. 69

			BIN NUMBER		
			BIN 0 TO BIN 95	BIN 96 TO BIN 415	BIN 416 TO BIN 511
DFT PAIR	0	LOWER	UNUSED	T_0 TO T_{319}	UNUSED
		UPPER		T_{1280} TO T_{1599}	
	1	LOWER		T_{320} TO T_{639}	
		UPPER		T_{1600} TO T_{1919}	
	2	LOWER		T_{640} TO T_{959}	
		UPPER		T_{1920} TO T_{2239}	
	3	LOWER		T_{960} TO T_{1279}	
		UPPER		T_{2240} TO T_{2559}	

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FIG. 70

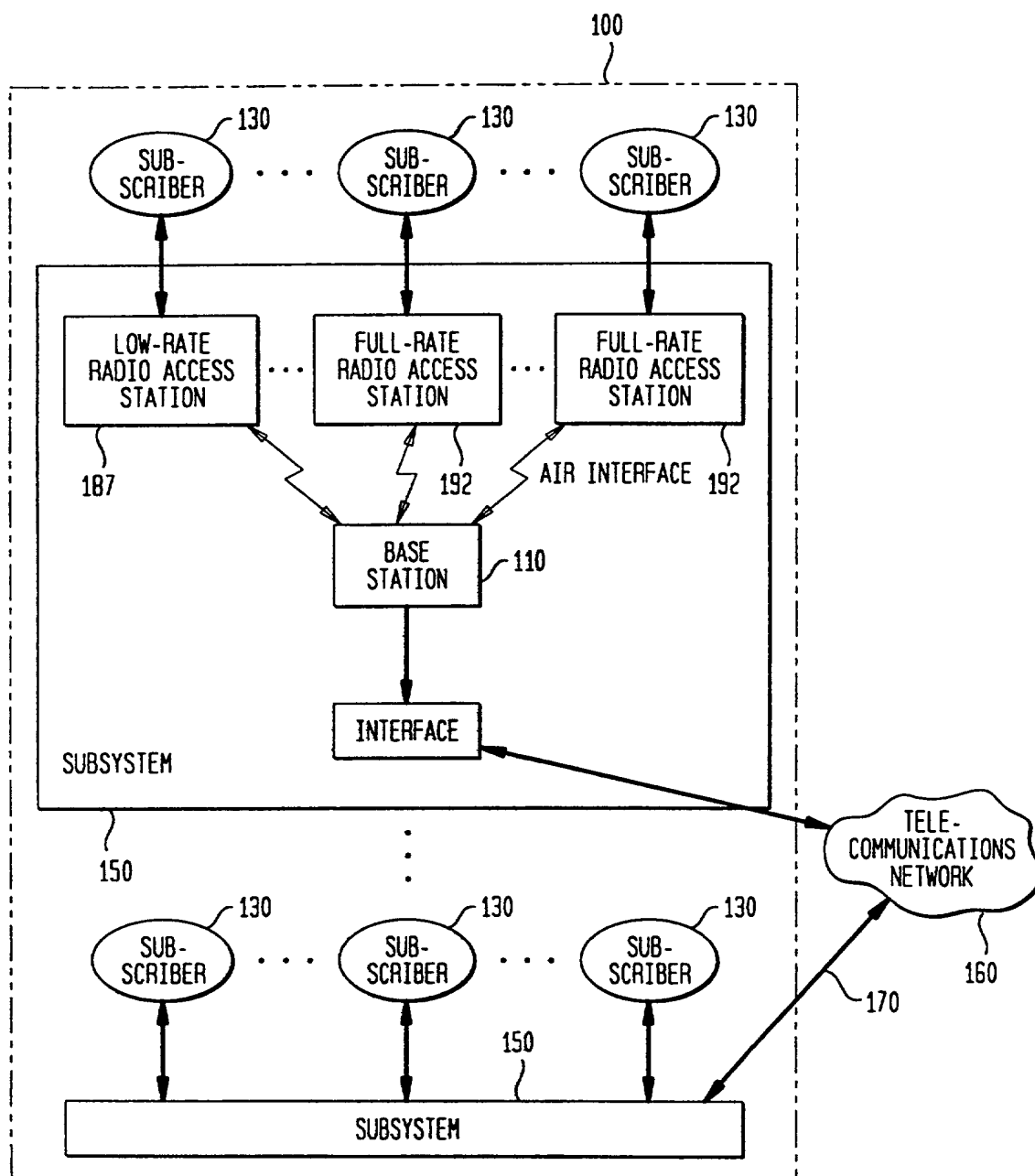
		BIN NUMBER																		
		0	1	...	95	96	97	98	99	100	...	413	414	415	416	...	510	511		
DFT BLOCK 0 L	0	0	0	...	0	I ₀	I ₁	I ₂	I ₃	I ₄	...	I ₃₁₇	I ₃₁₈	I ₃₁₉	0	...	0	0		
DFT BLOCK 1 L	0	0	0	...	0	I ₃₂₀	I ₃₂₁	I ₃₂₂	I ₃₂₃	I ₃₂₄	...	I ₆₃₇	I ₆₃₈	I ₆₃₉	0	...	0	0		
DFT BLOCK 2 L	0	0	0	...	0	I ₆₄₀	I ₆₄₁	I ₆₄₂	I ₆₄₃	I ₆₄₄	...	I ₉₅₇	I ₉₅₈	I ₉₅₉	0	...	0	0		
DFT BLOCK 3 L	0	0	0	...	0	I ₉₆₀	I ₉₆₁	I ₉₆₂	I ₉₆₃	I ₉₆₄	...	I ₁₂₇₇	I ₁₂₇₈	I ₁₂₇₉	0	...	0	0		
DFT BLOCK 0 U	0	0	0	...	0	I ₁₂₈₀	I ₁₂₈₁	I ₁₂₈₂	I ₁₂₈₃	I ₁₂₈₄	...	I ₁₅₉₇	I ₁₅₉₈	I ₁₅₉₉	0	...	0	0		
DFT BLOCK 1 U	0	0	0	...	0	I ₁₆₀₀	I ₁₆₀₁	I ₁₆₀₂	I ₁₆₀₃	I ₁₆₀₄	...	I ₁₉₁₇	I ₁₉₁₈	I ₁₉₁₉	0	...	0	0		
DFT BLOCK 2 U	0	0	0	...	0	I ₁₉₂₀	I ₁₉₂₁	I ₁₉₂₂	I ₁₉₂₃	I ₁₉₂₄	...	I ₂₂₃₇	I ₂₂₃₈	I ₂₂₃₉	0	...	0	0		
DFT BLOCK 3 U	0	0	0	...	0	I ₂₂₄₀	I ₂₂₄₁	I ₂₂₄₂	I ₂₂₄₃	I ₂₂₄₄	...	I ₂₅₅₇	I ₂₅₅₈	I ₂₅₅₉	0	...	0	0		

300 kHz

1 kHz
(320X3125 Hz)

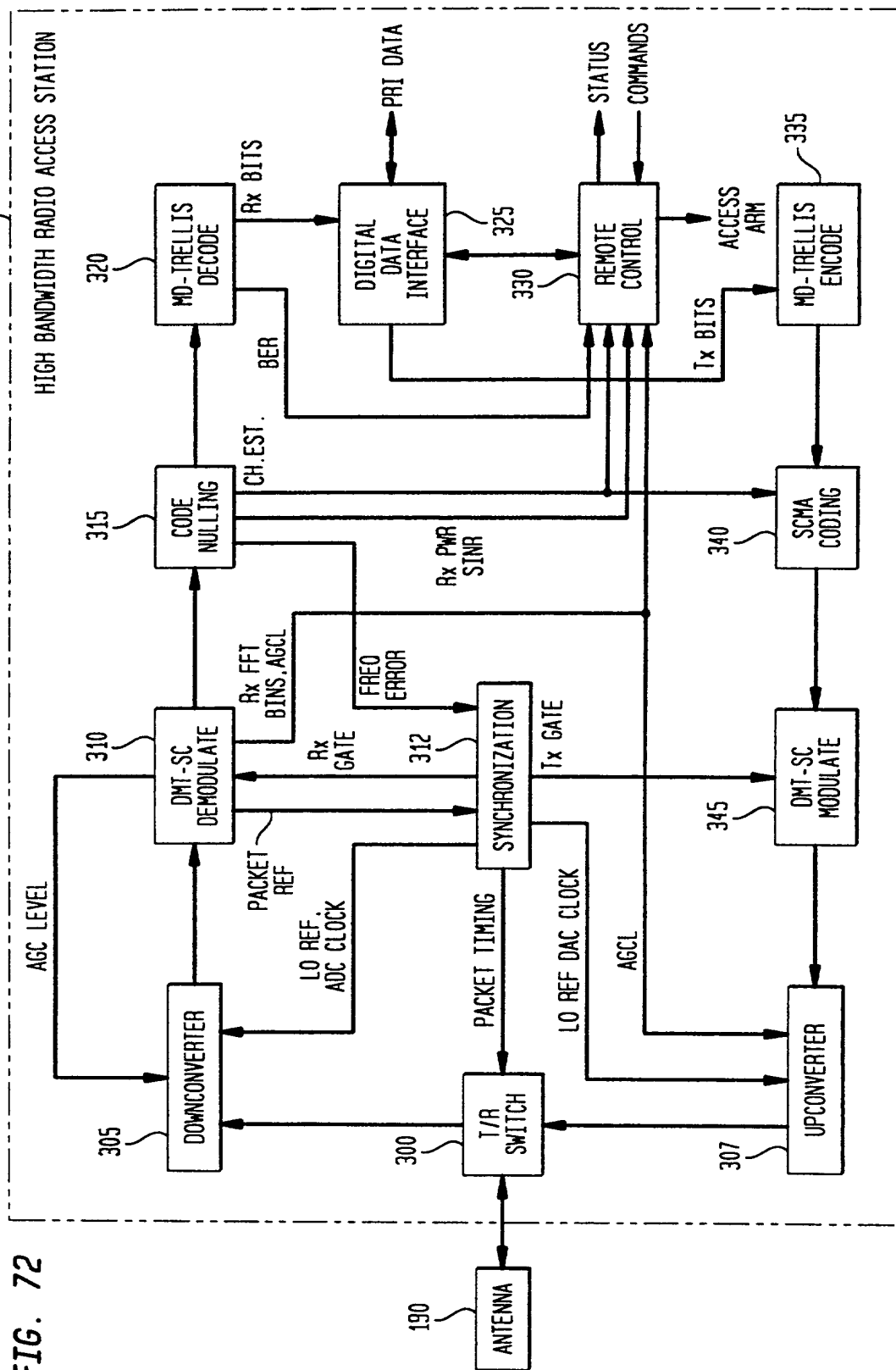
300 kHz

FIG. 71

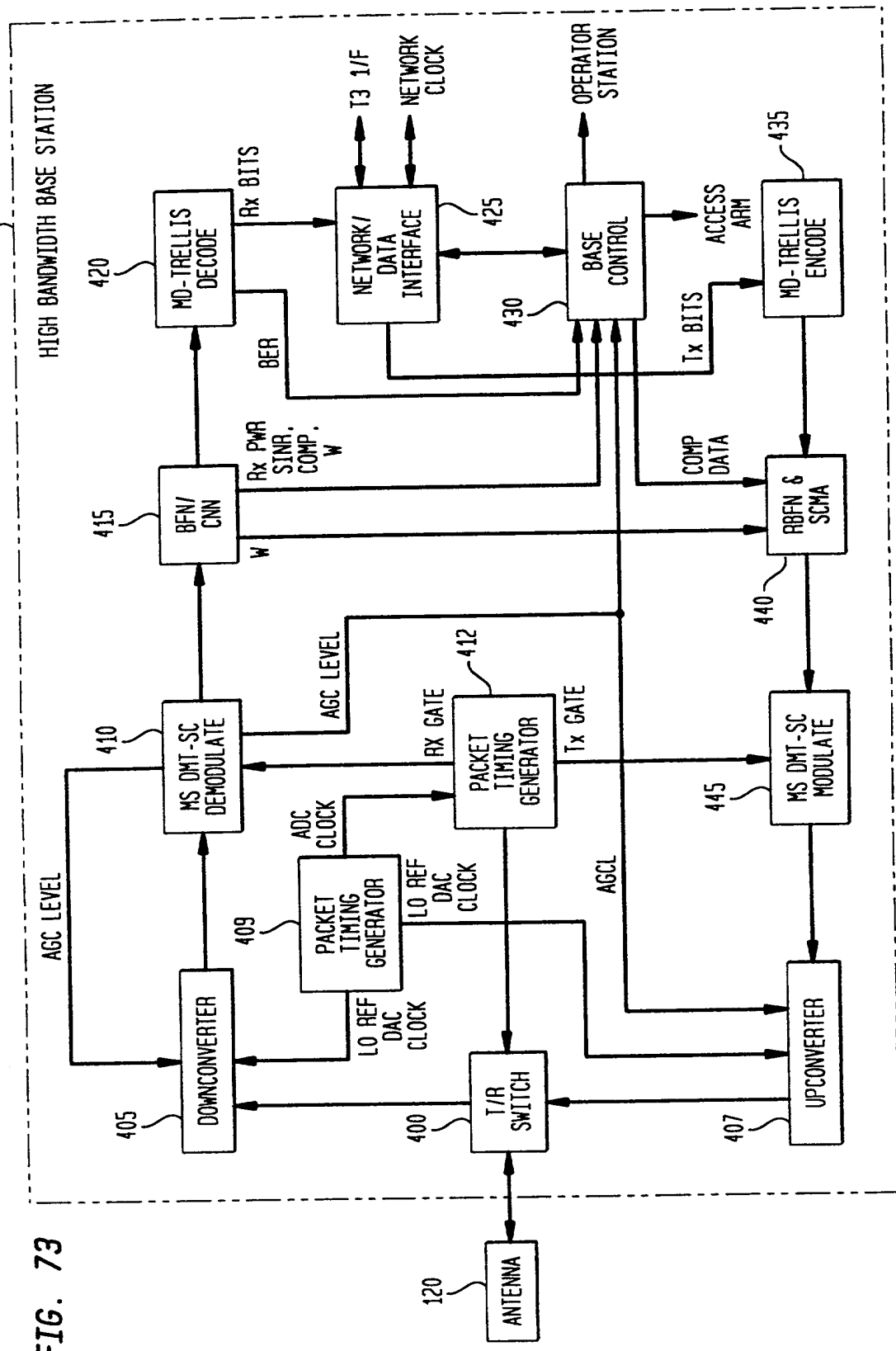


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FIG. 72



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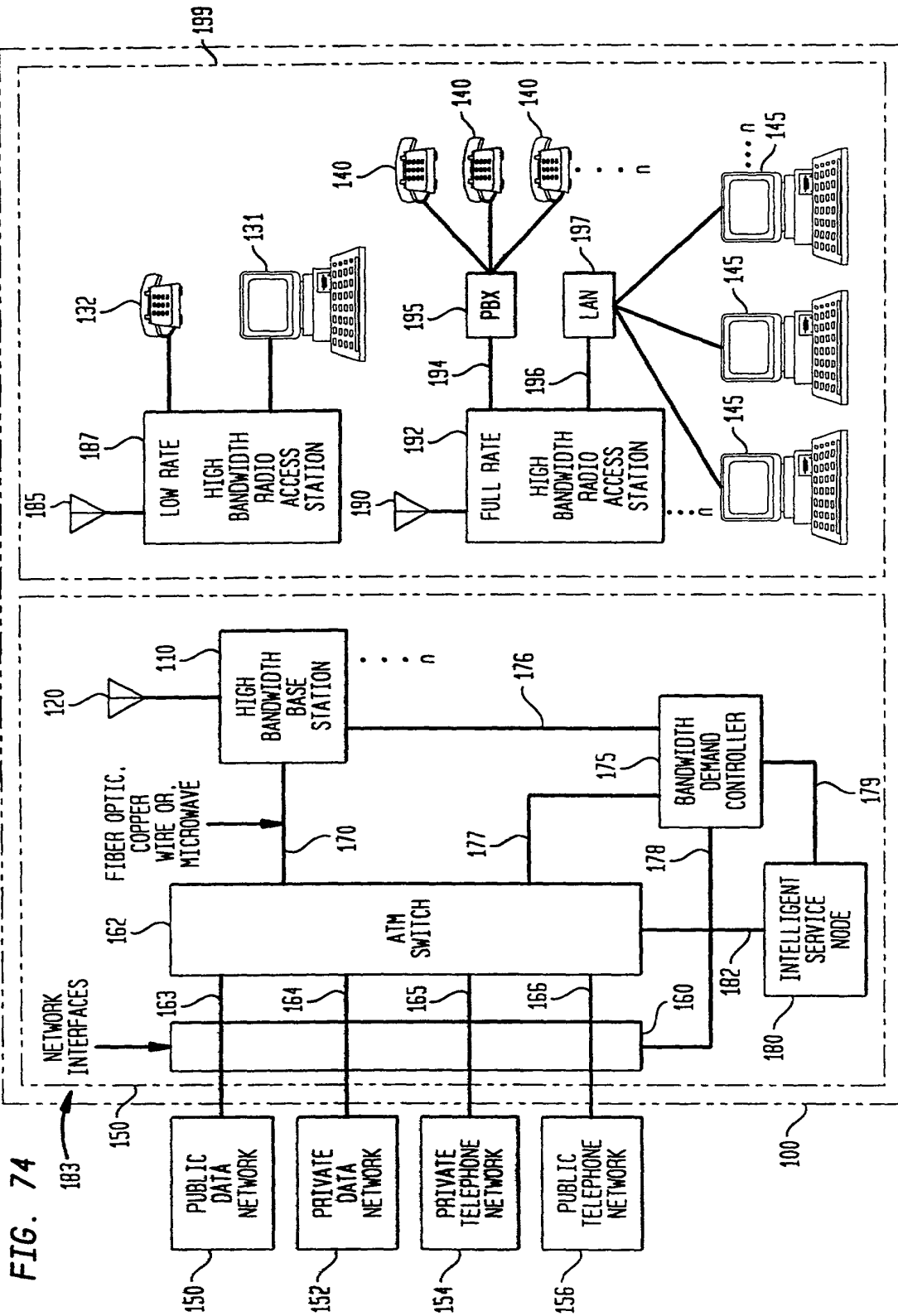


FIG. 75A

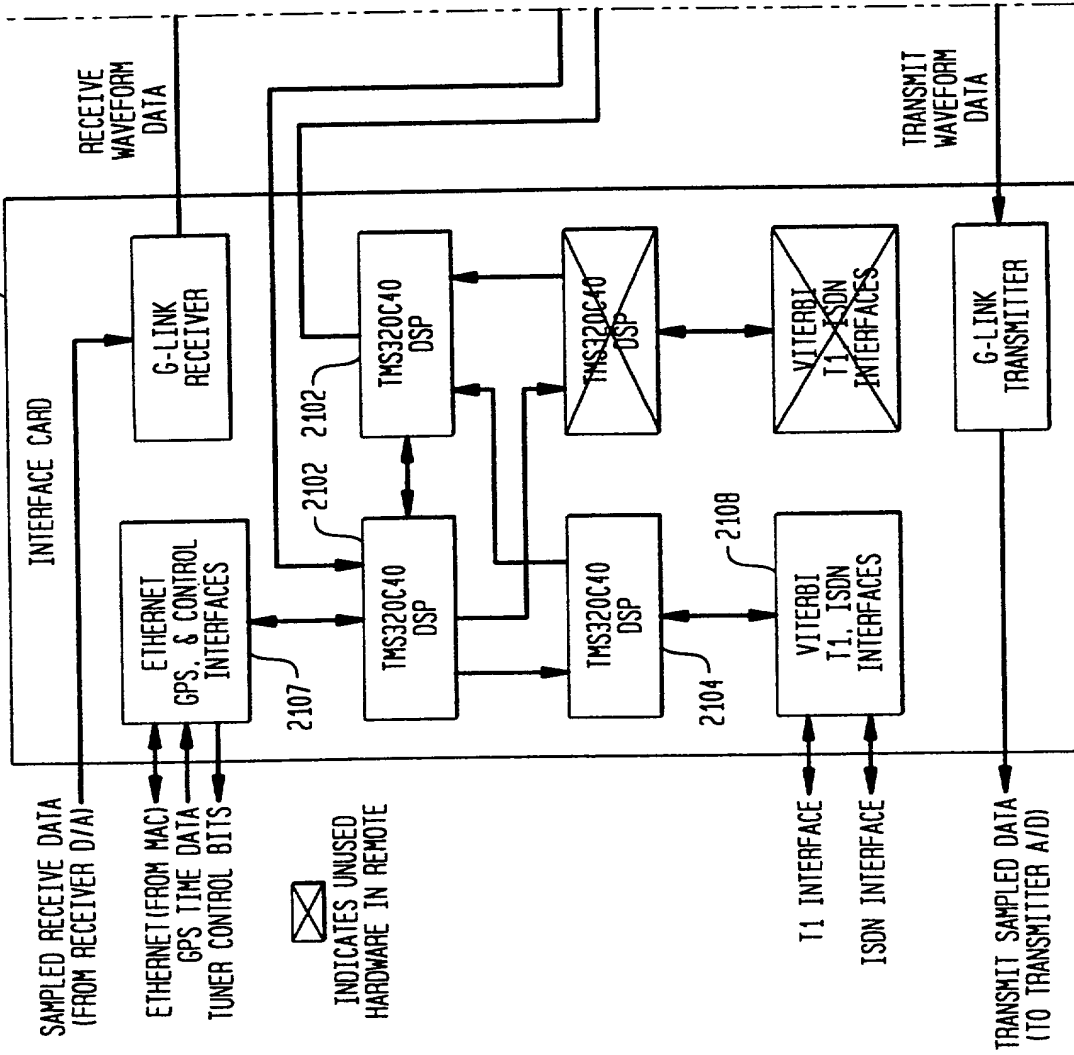


FIG. 75

FIG. 75A	FIG. 75B
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FIG. 75B

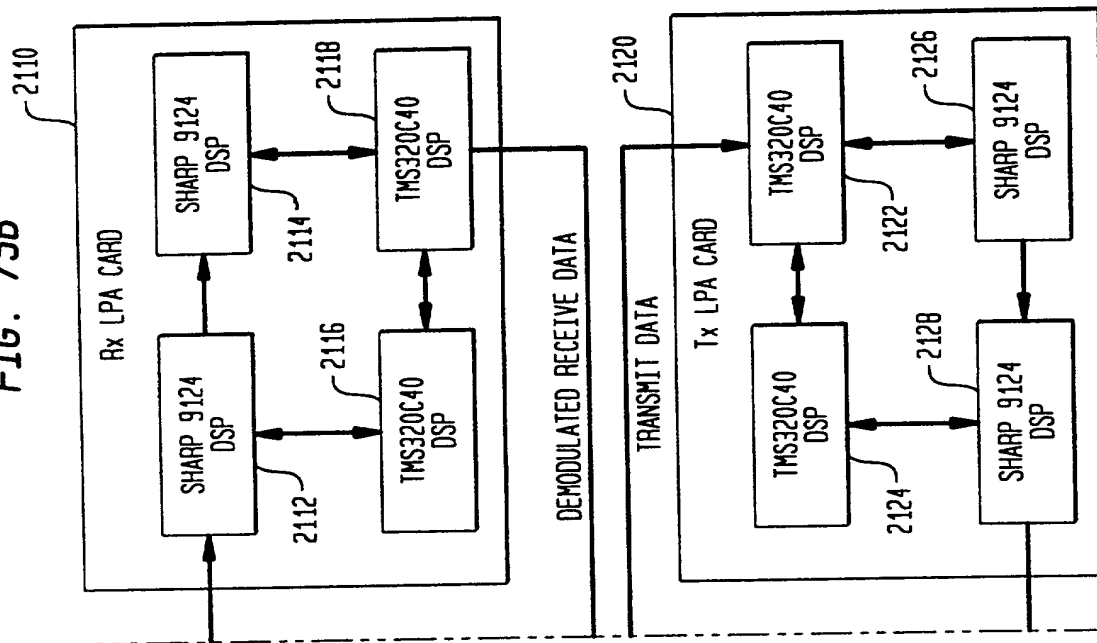


FIG. 76

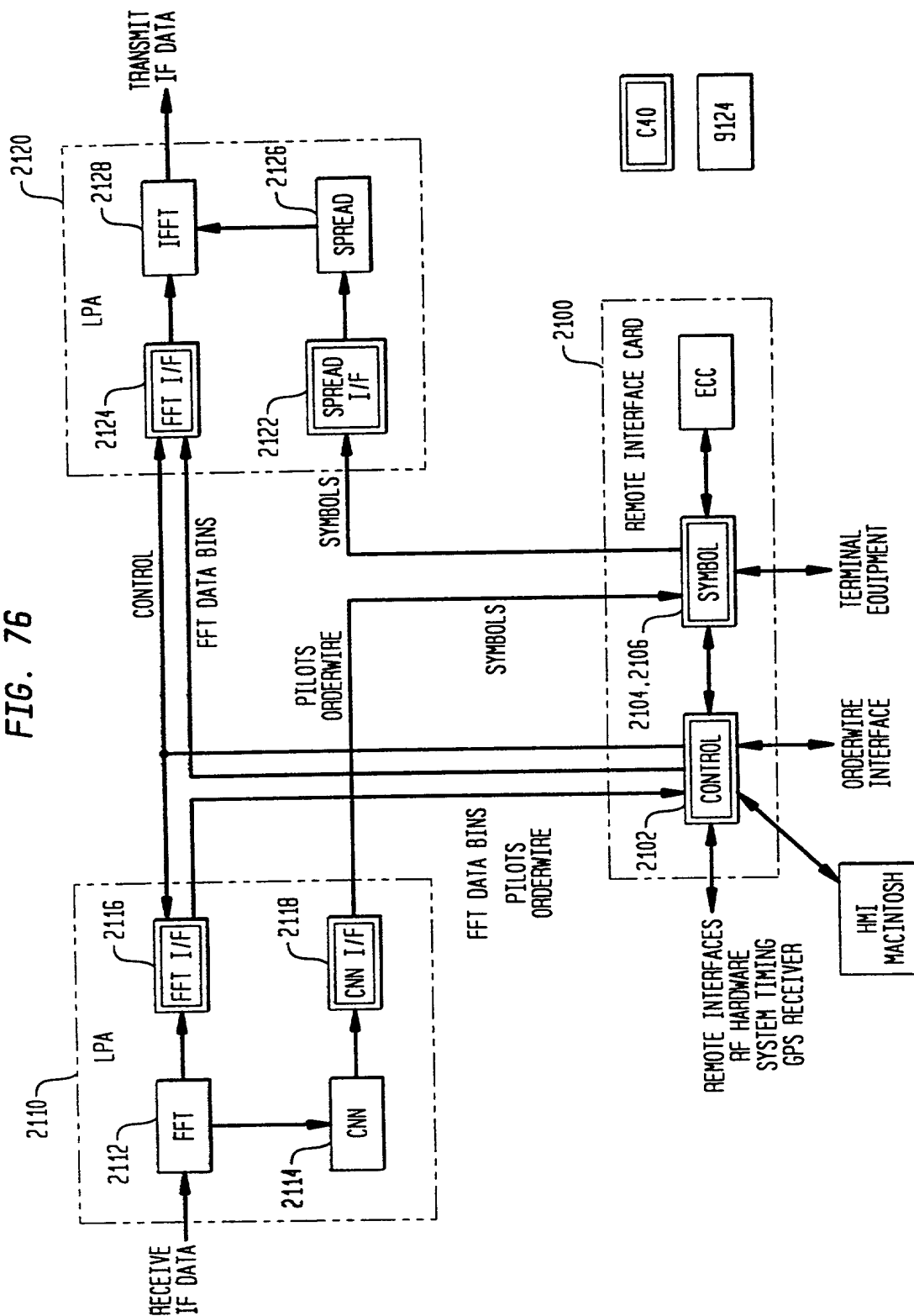


FIG. 77A

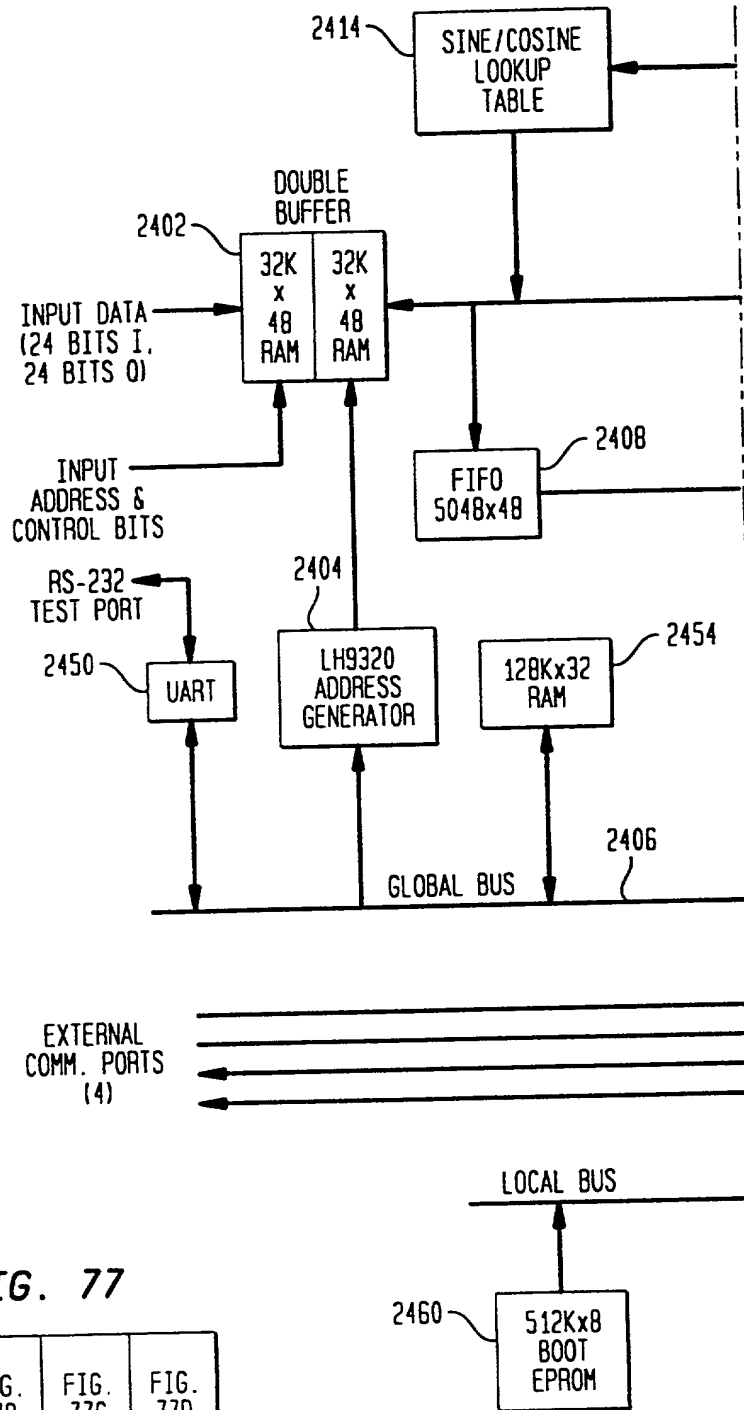
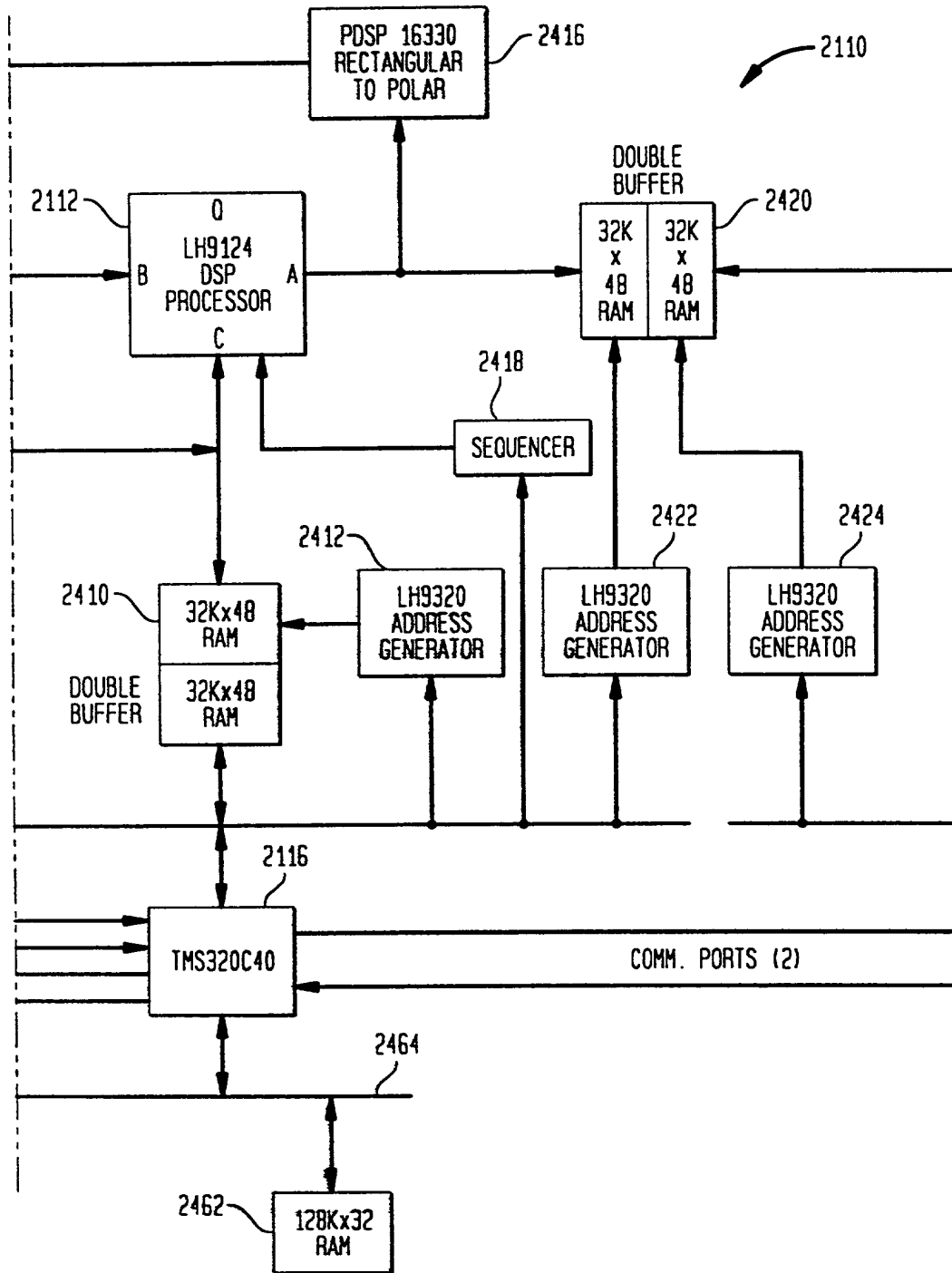


FIG. 77

FIG. 77A	FIG. 77B	FIG. 77C	FIG. 77D
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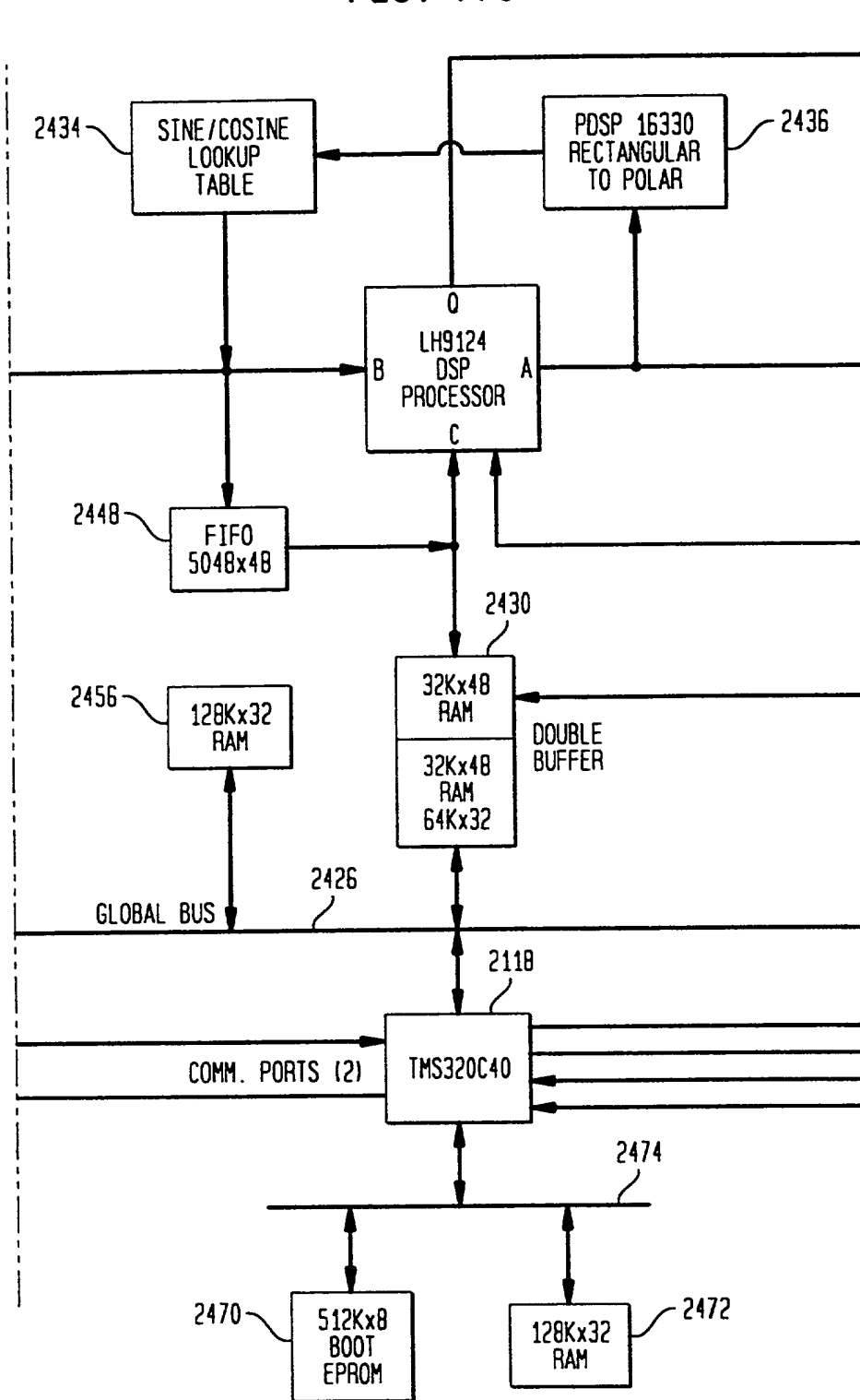
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FIG. 77B

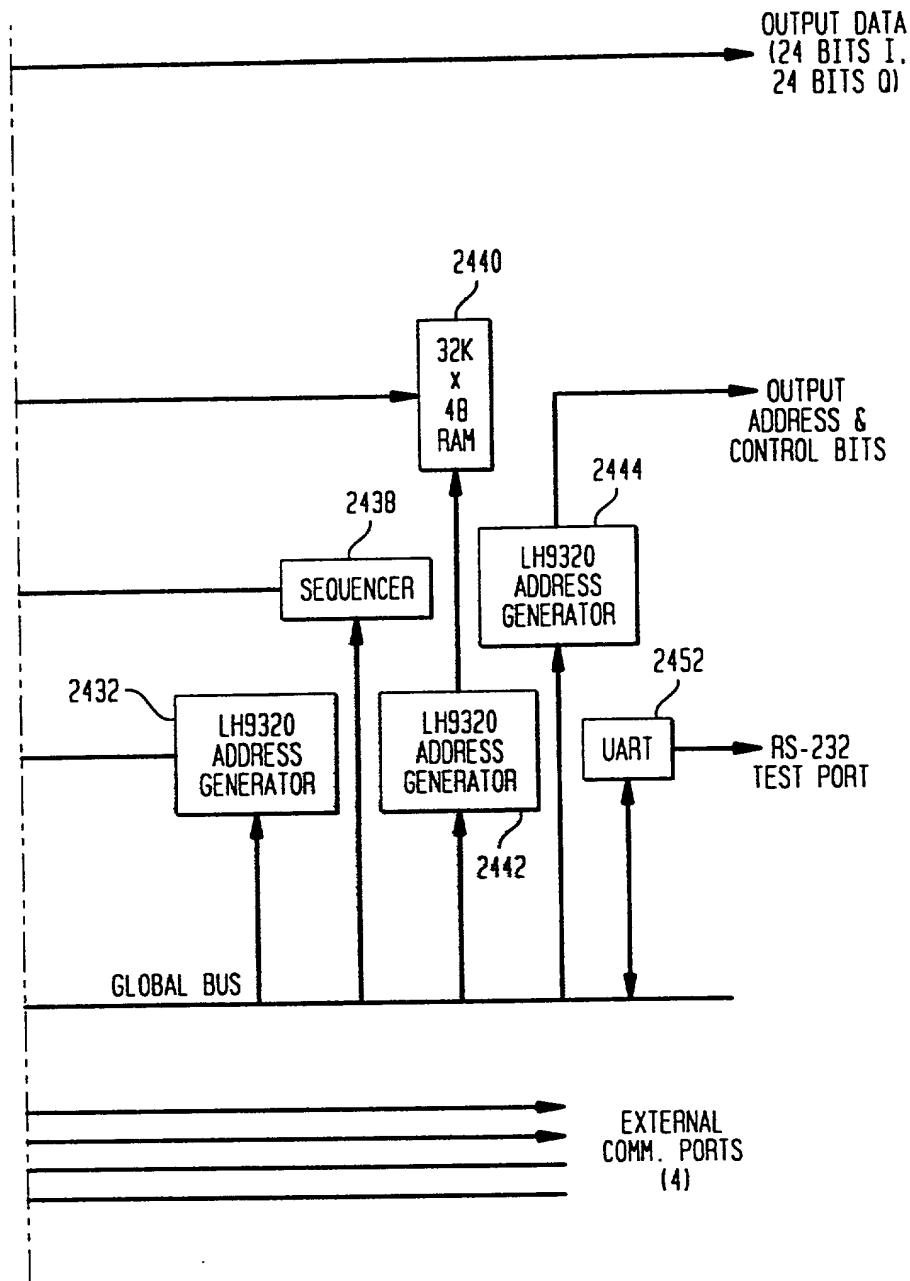


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FIG. 77C



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FIG. 77D



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FIG. 78A

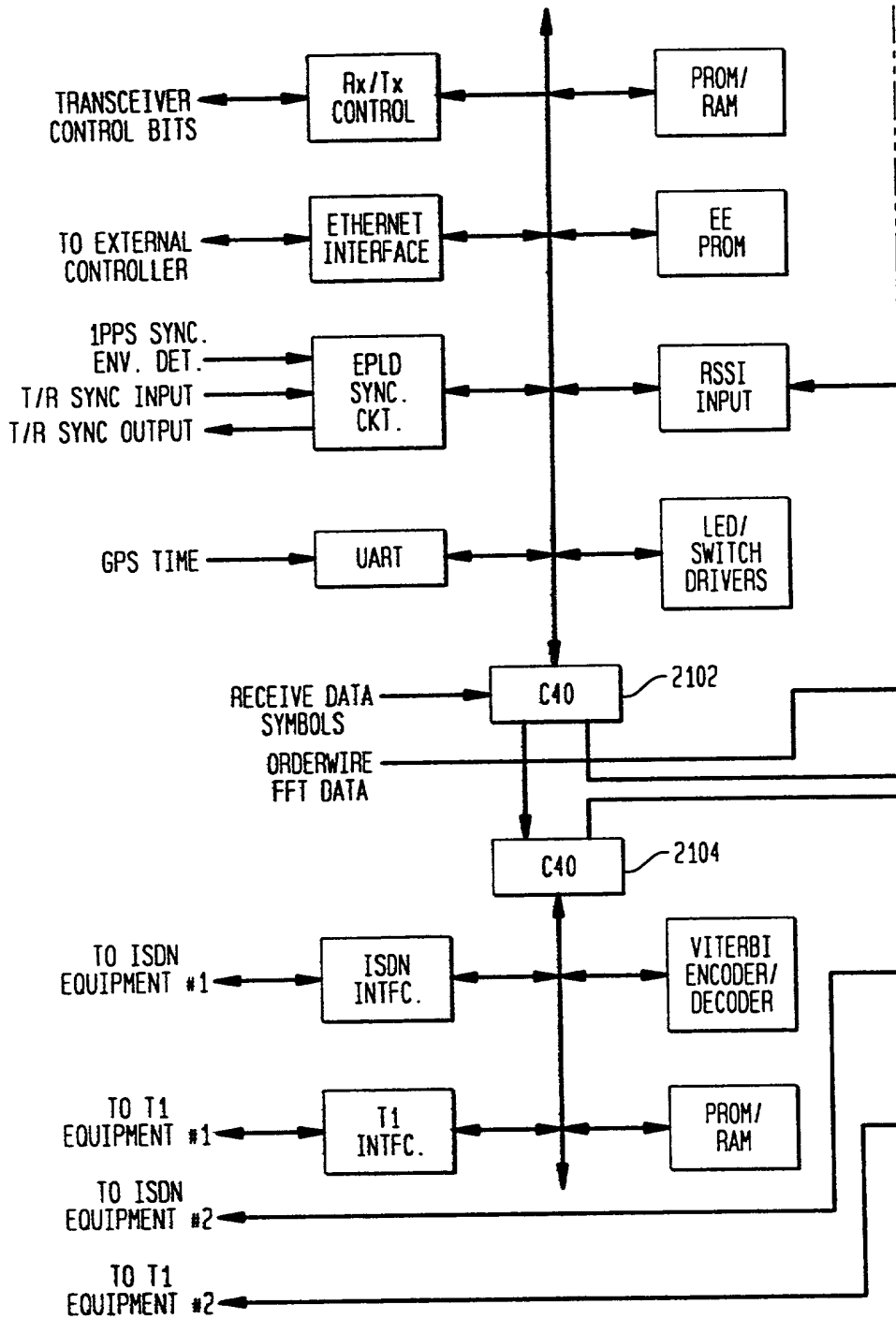


FIG. 78

FIG. 78A	FIG. 78B	FIG. 78C
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FIG. 78B

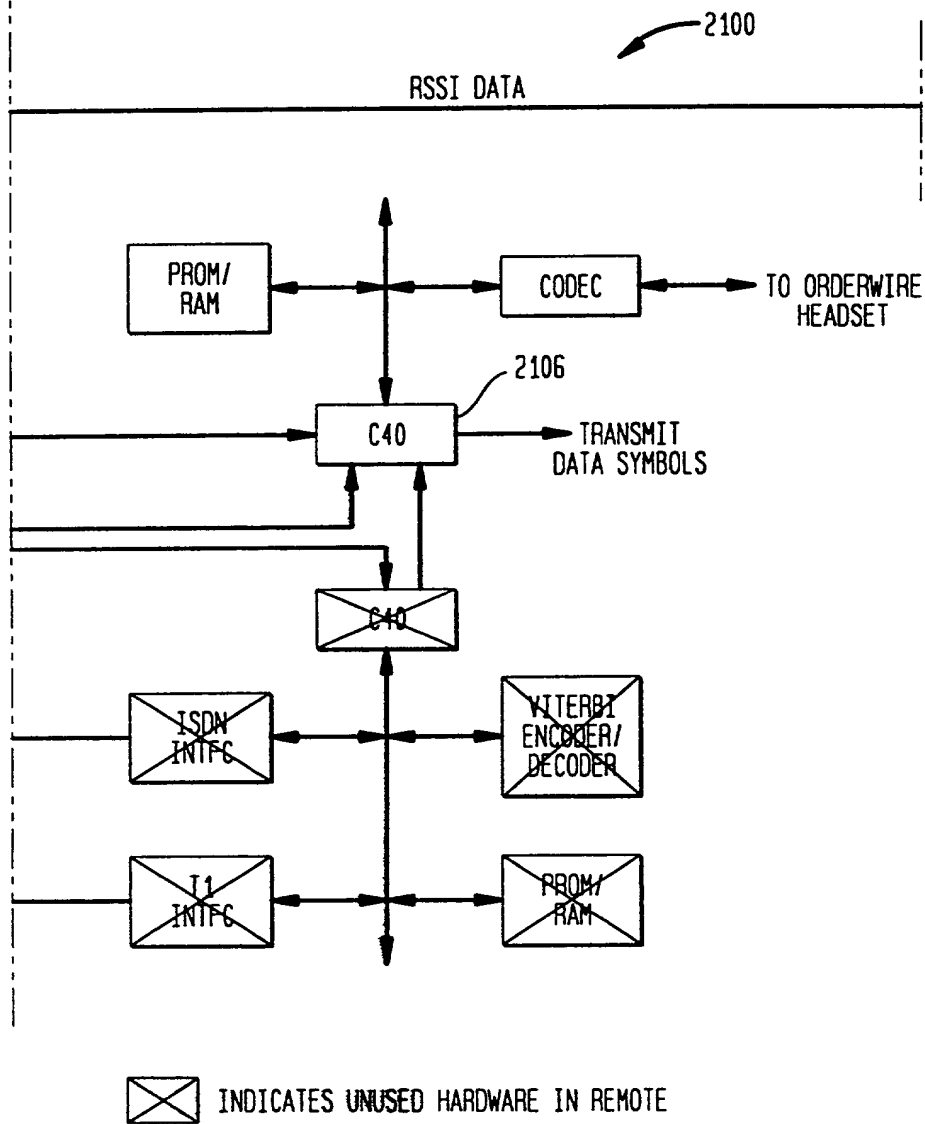
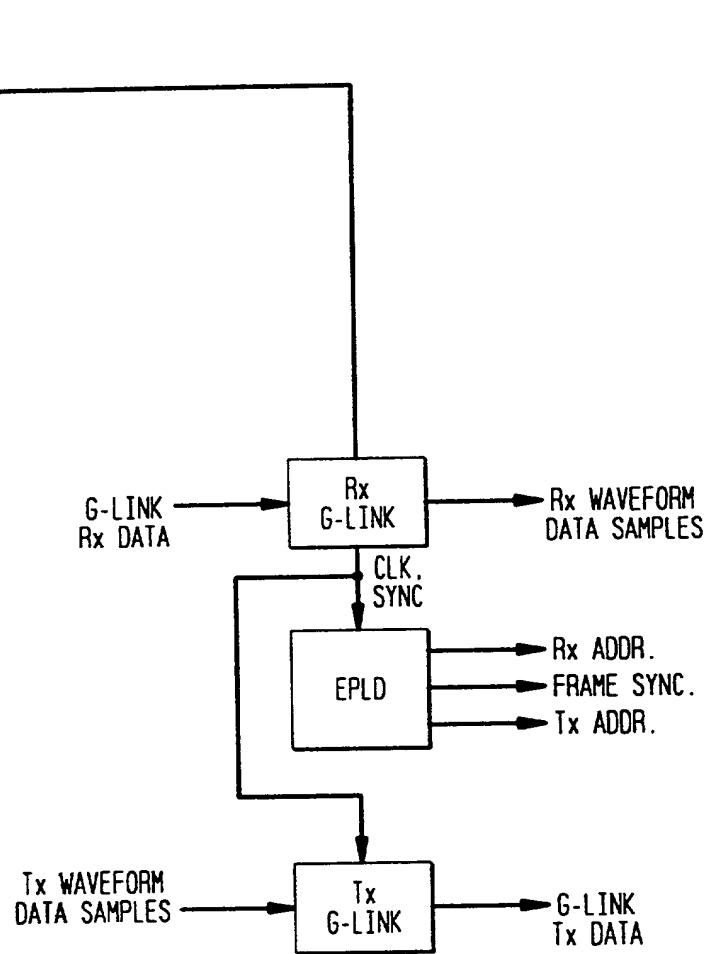


FIG. 78C



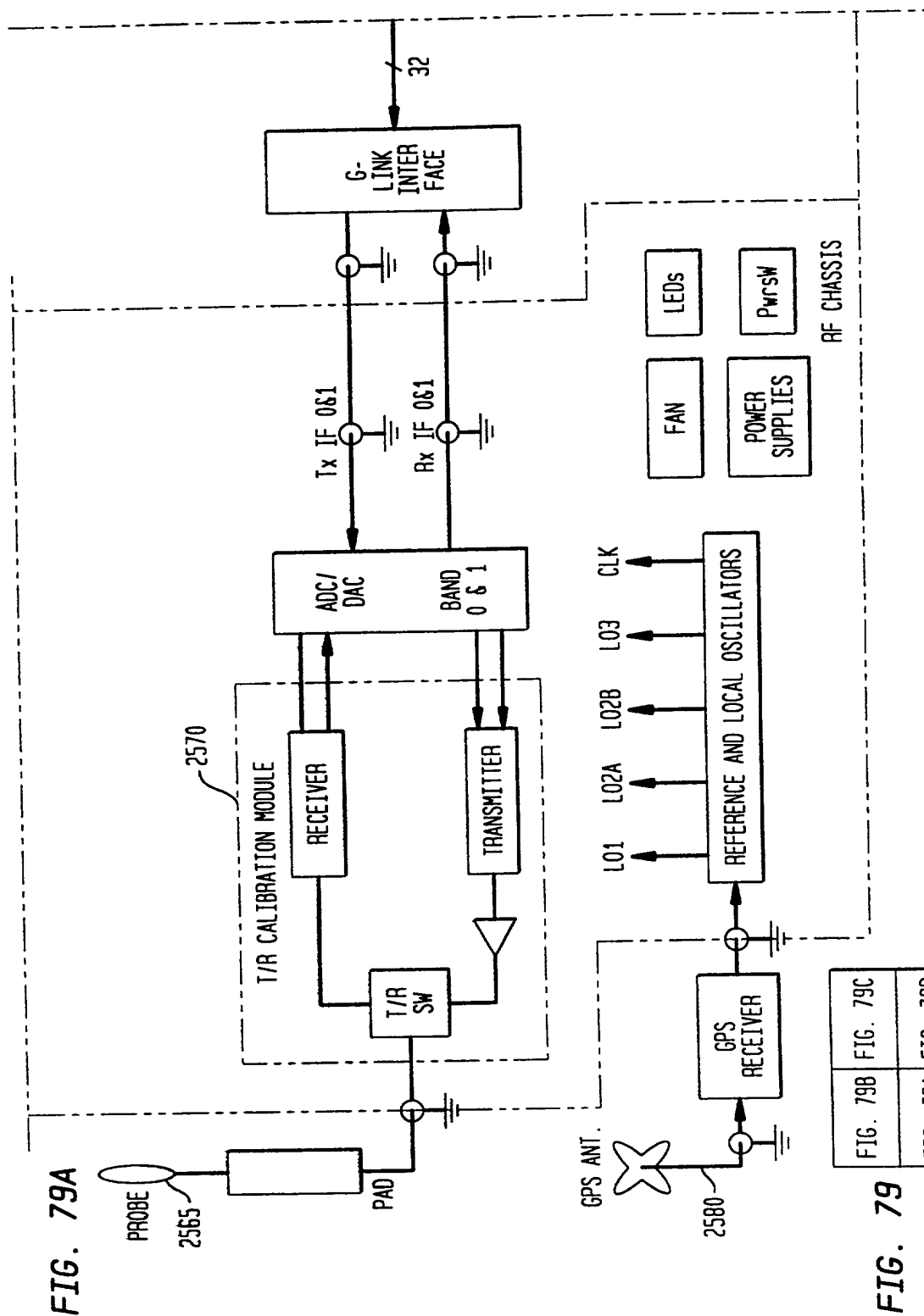
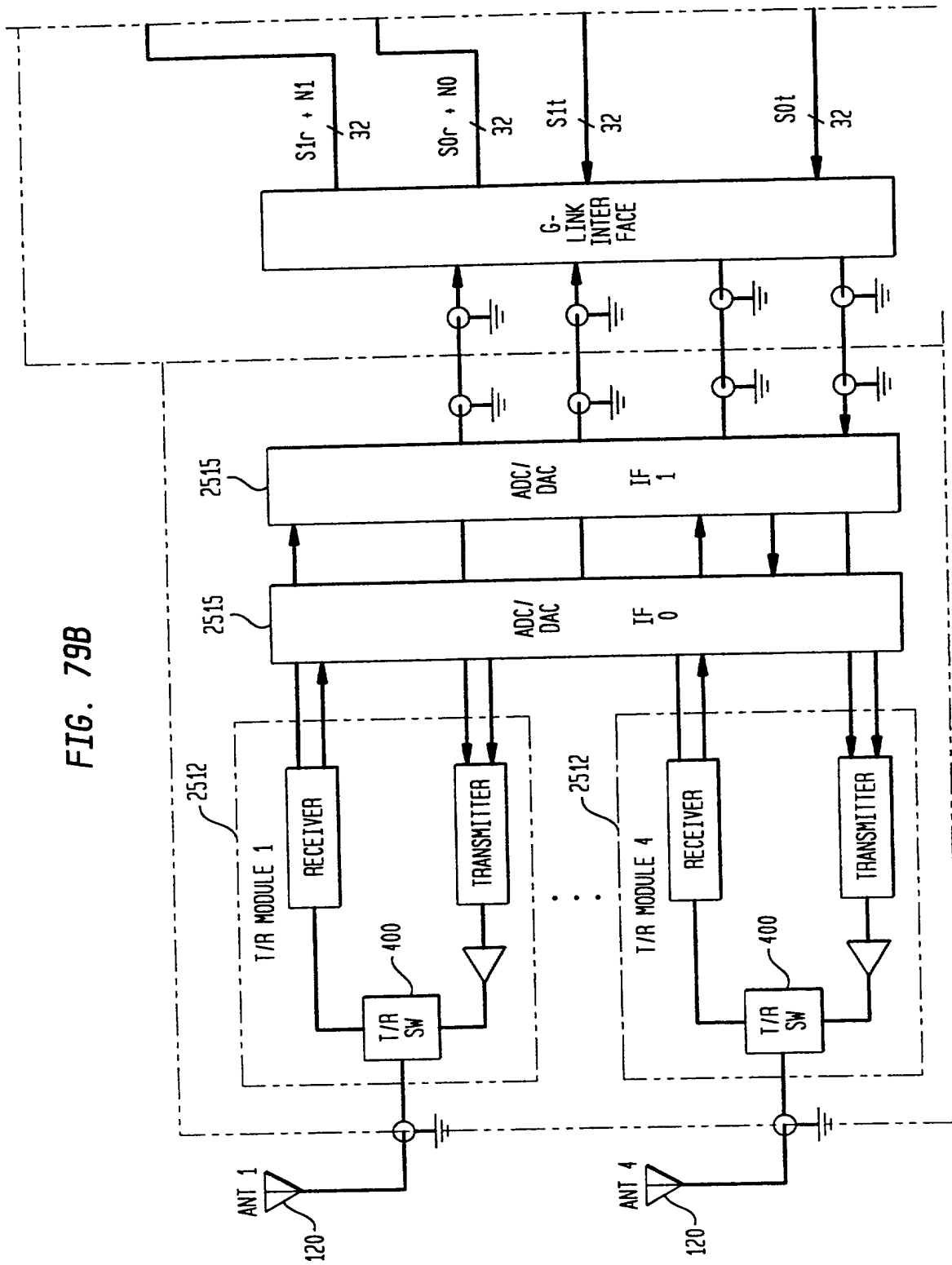
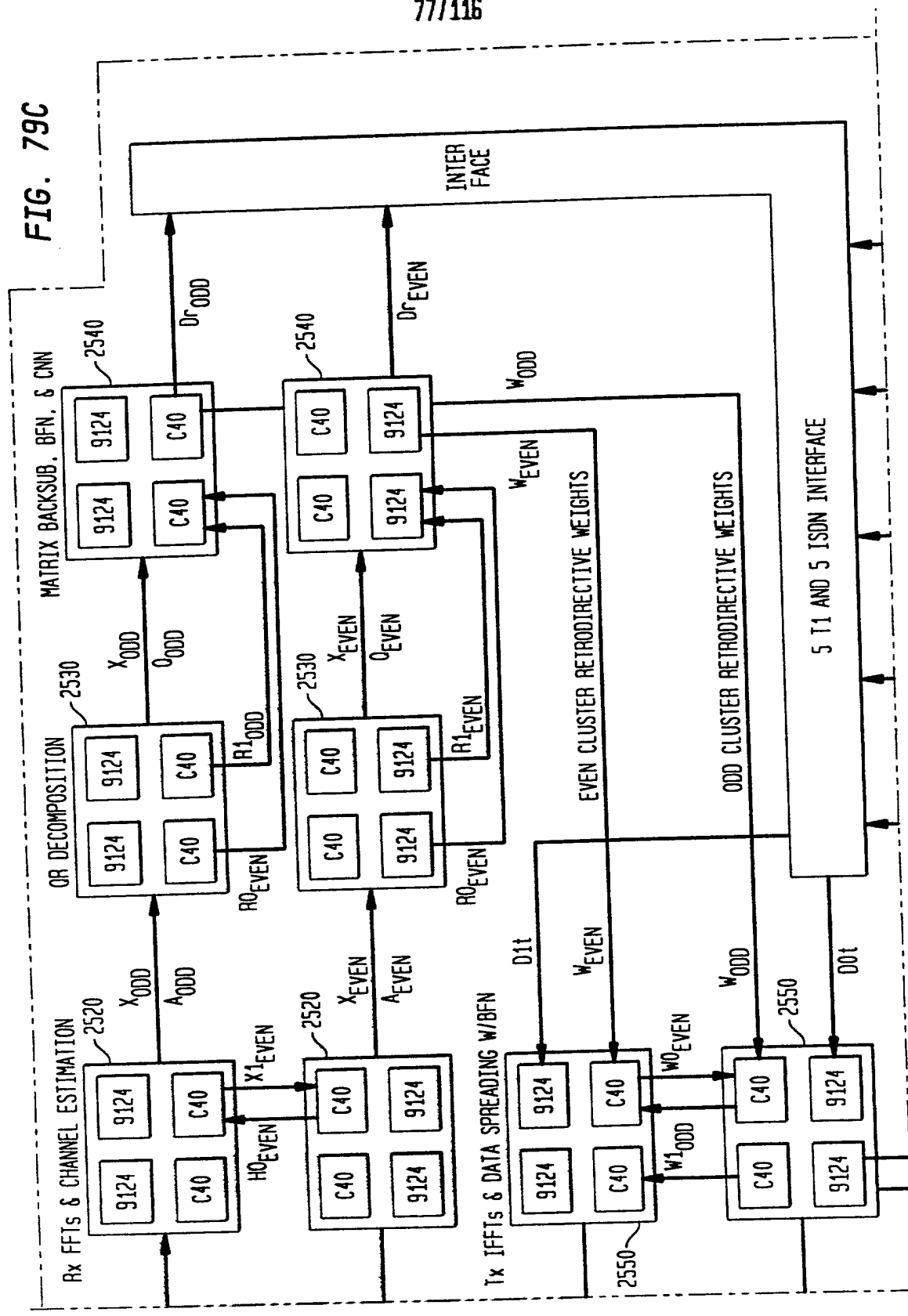


FIG. 79

FIG. 79B	FIG. 79C
FIG. 79A	FIG. 79D





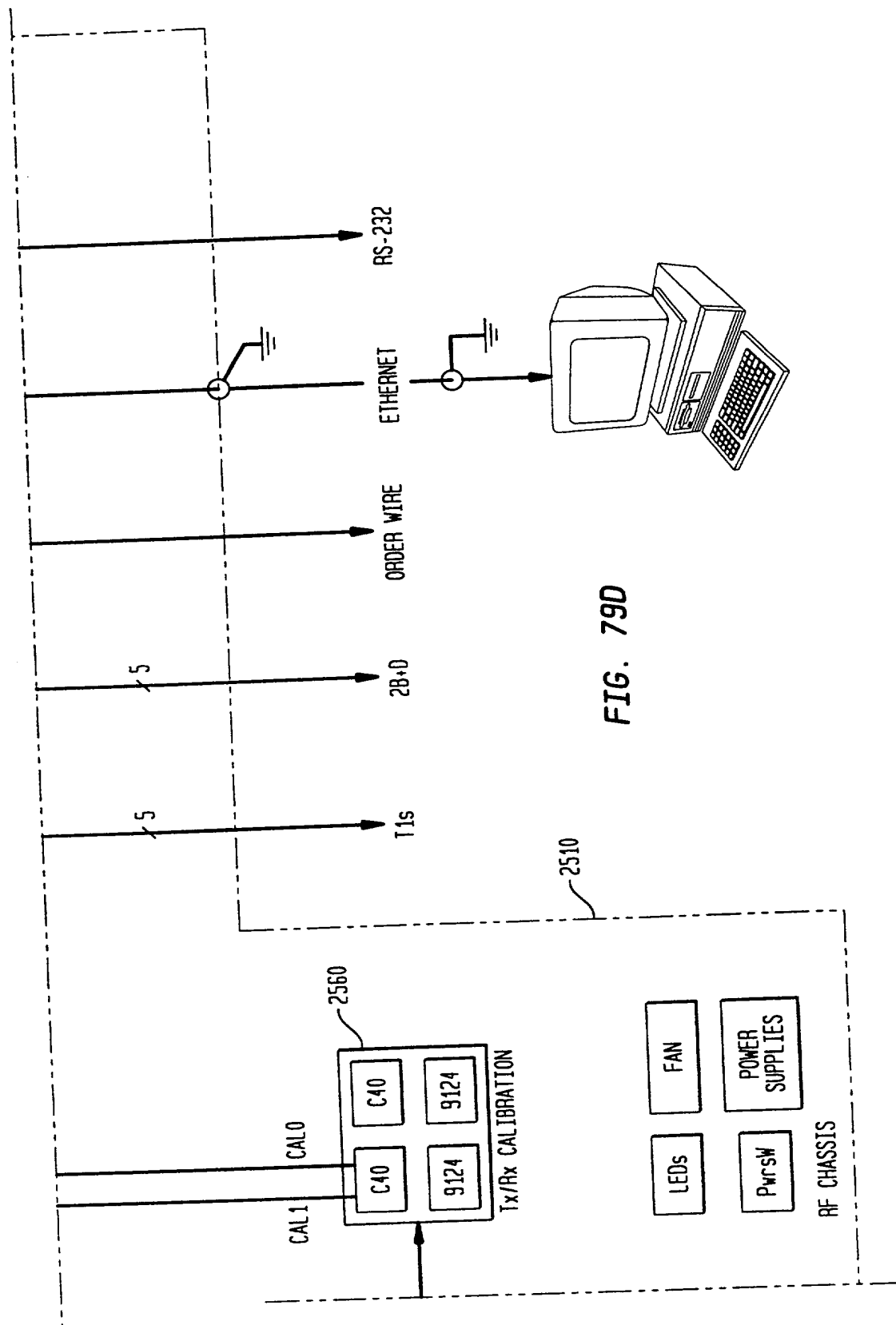


FIG. 79D

FIG. 80A

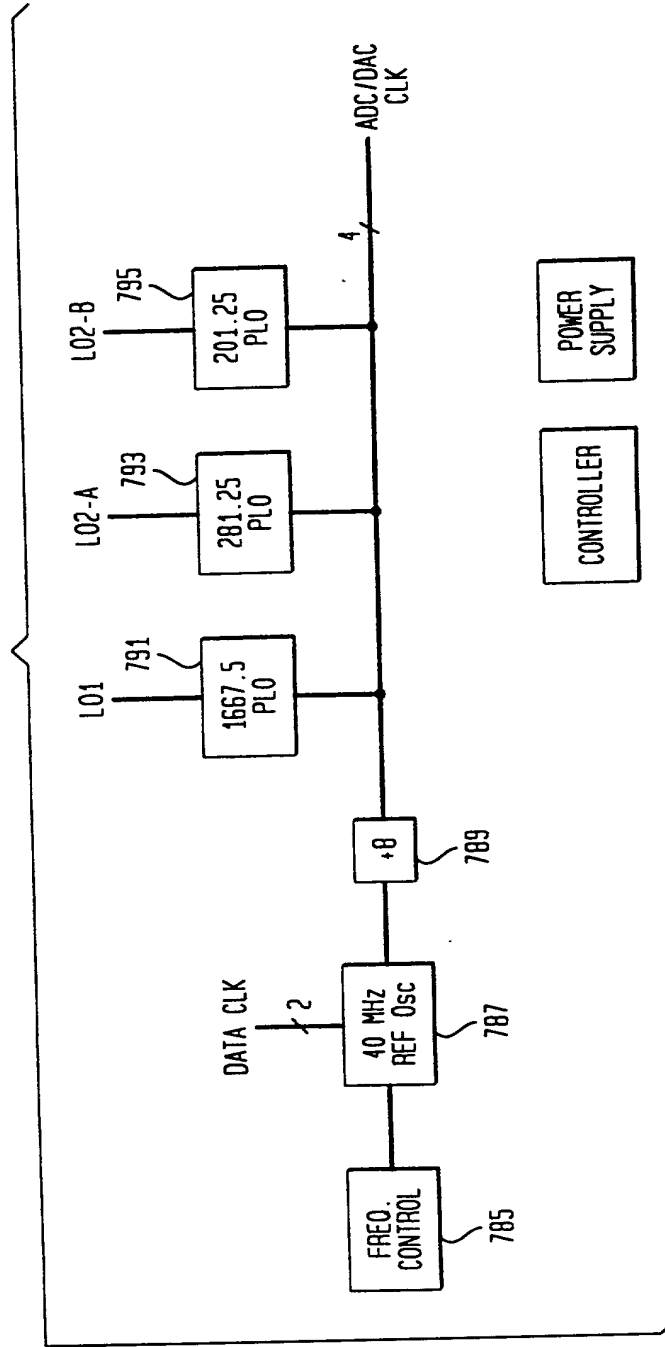


FIG. 80-1

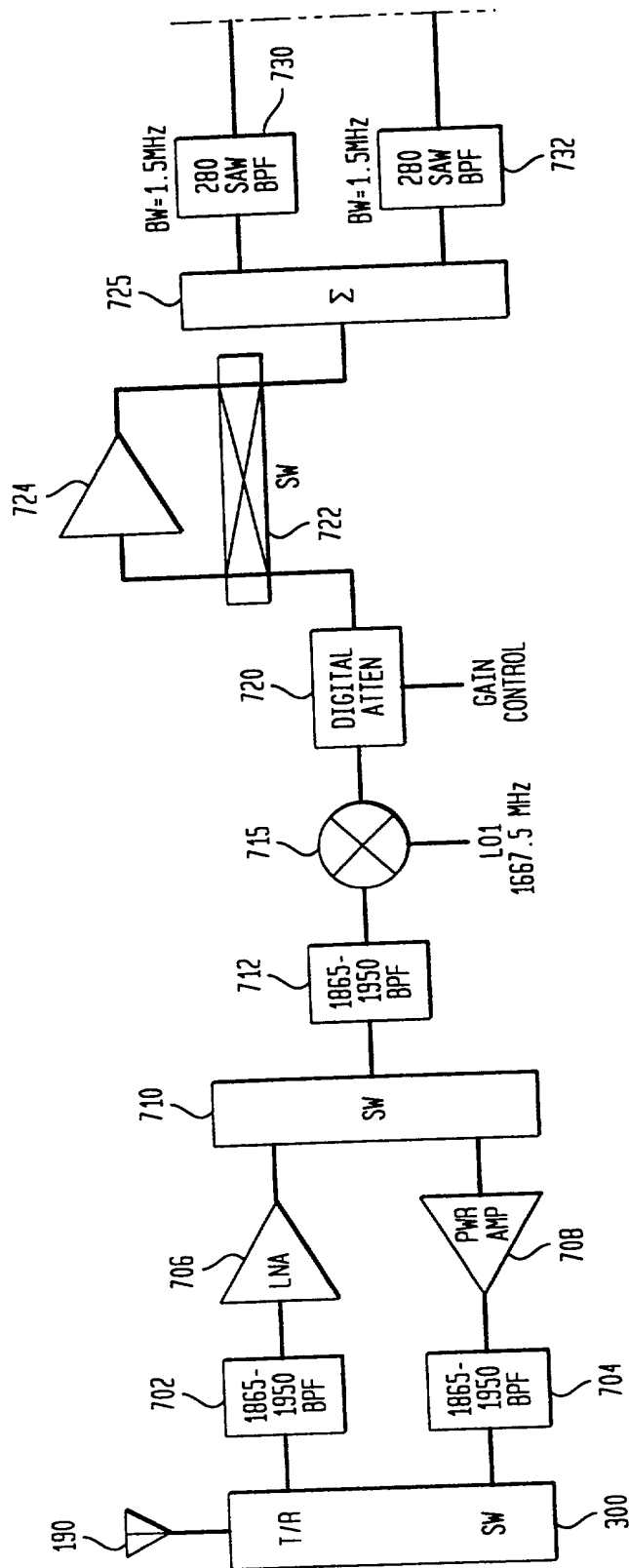


FIG. 80

FIG. 80-1

FIG. 80-2

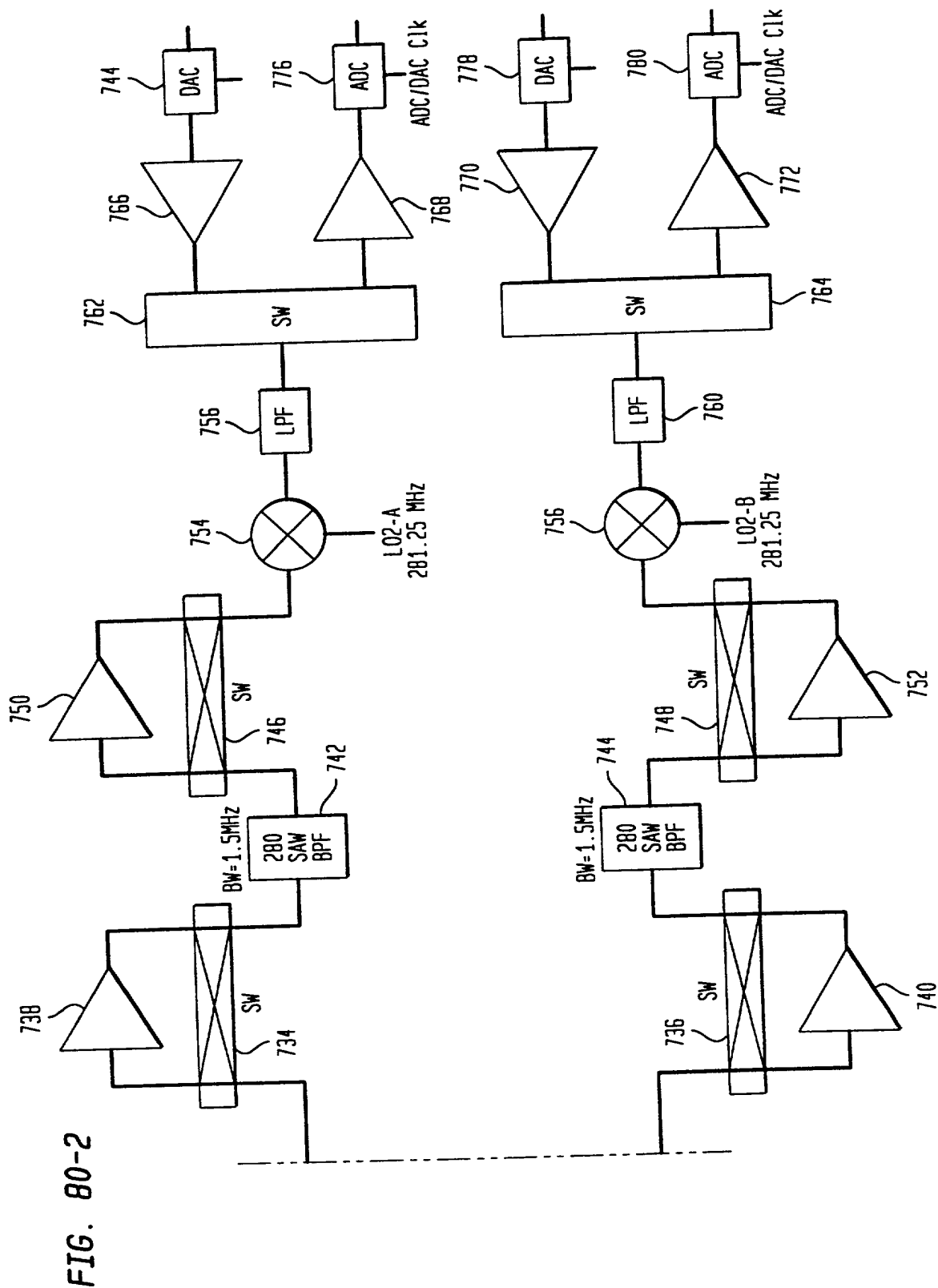


FIG. 81

FIG. 81-1	FIG. 81-2
-----------	-----------

FIG. 81-1

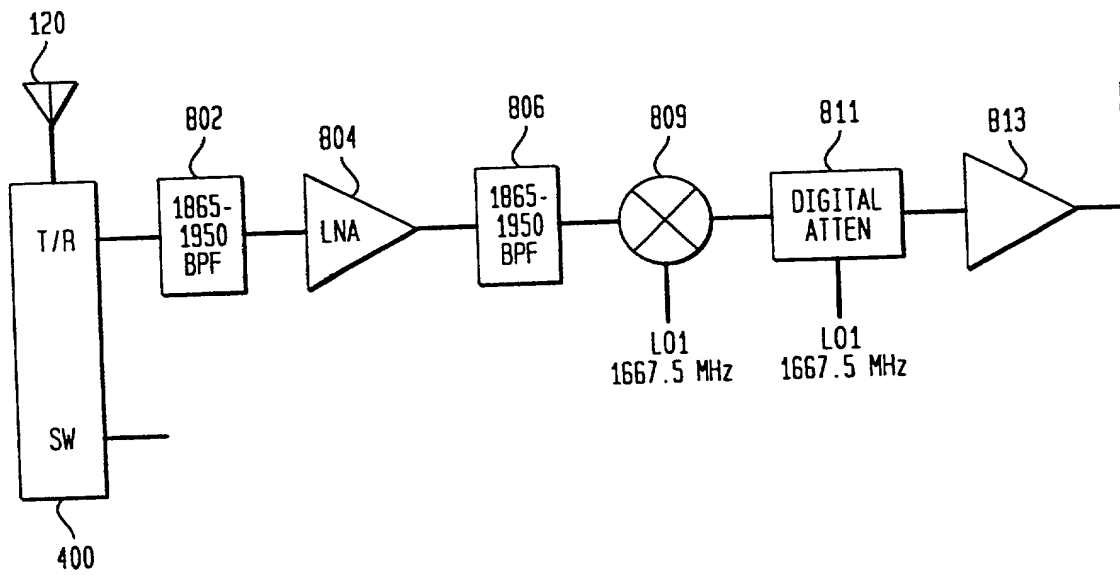


FIG. 81-2

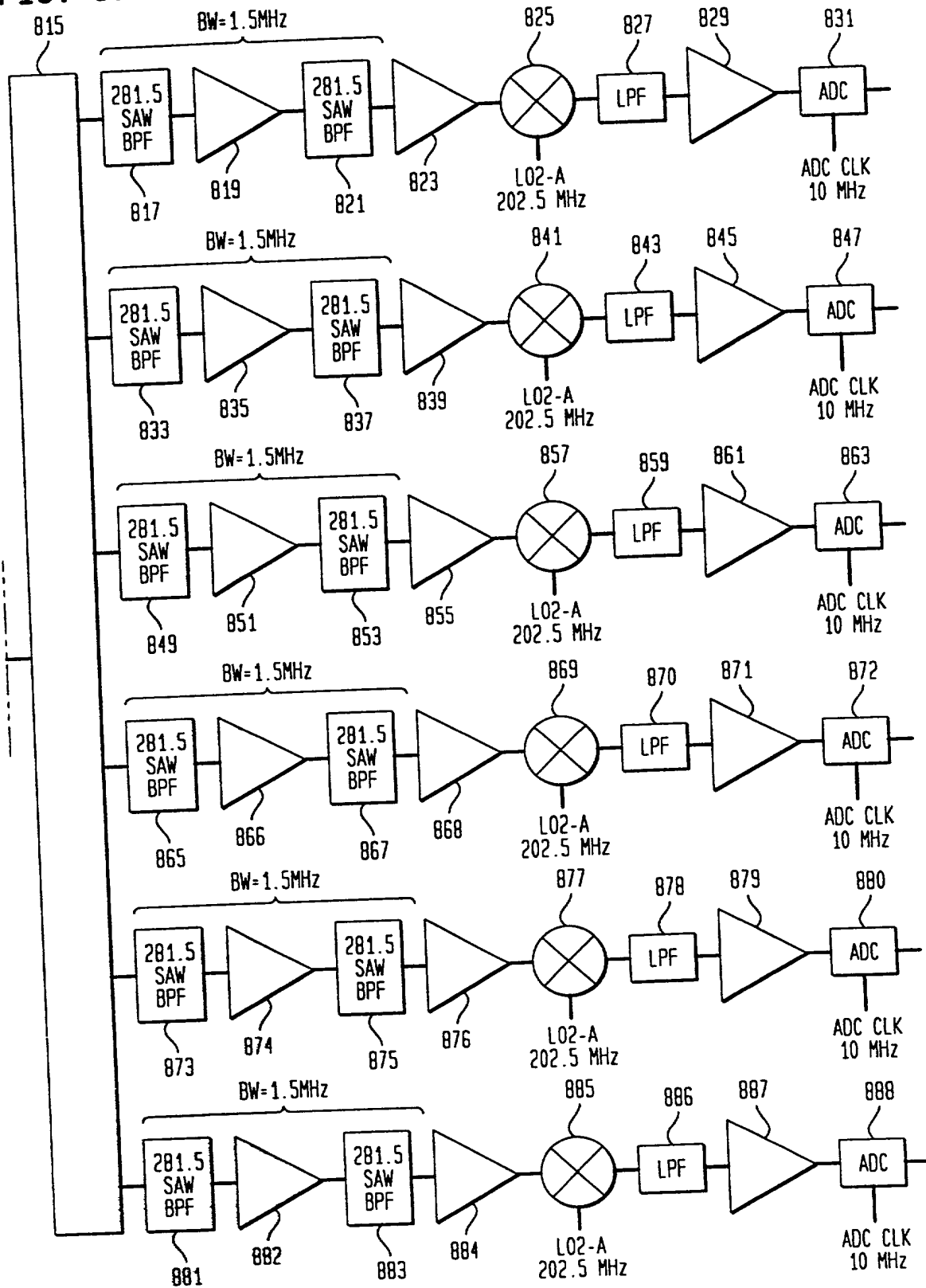


FIG. 81A

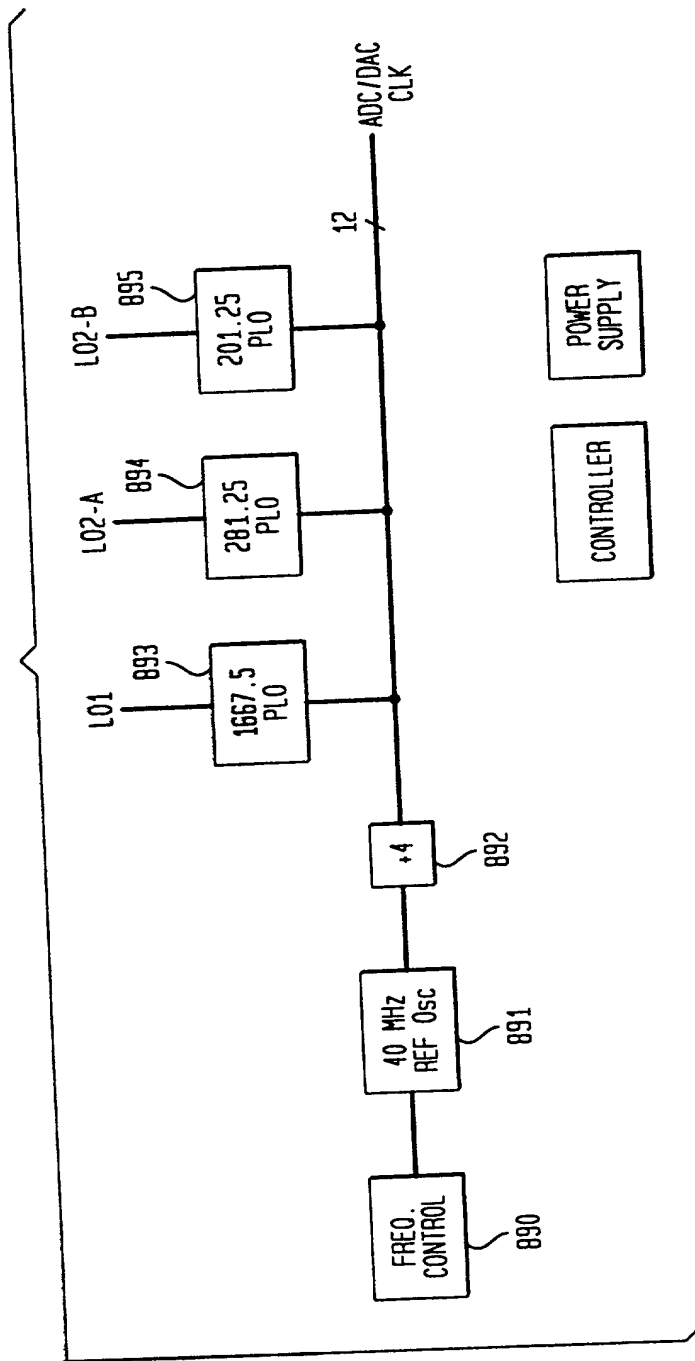


FIG. 82

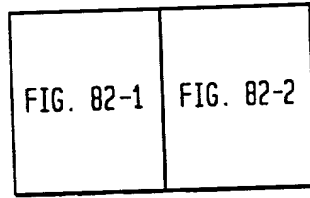


FIG. 82-1

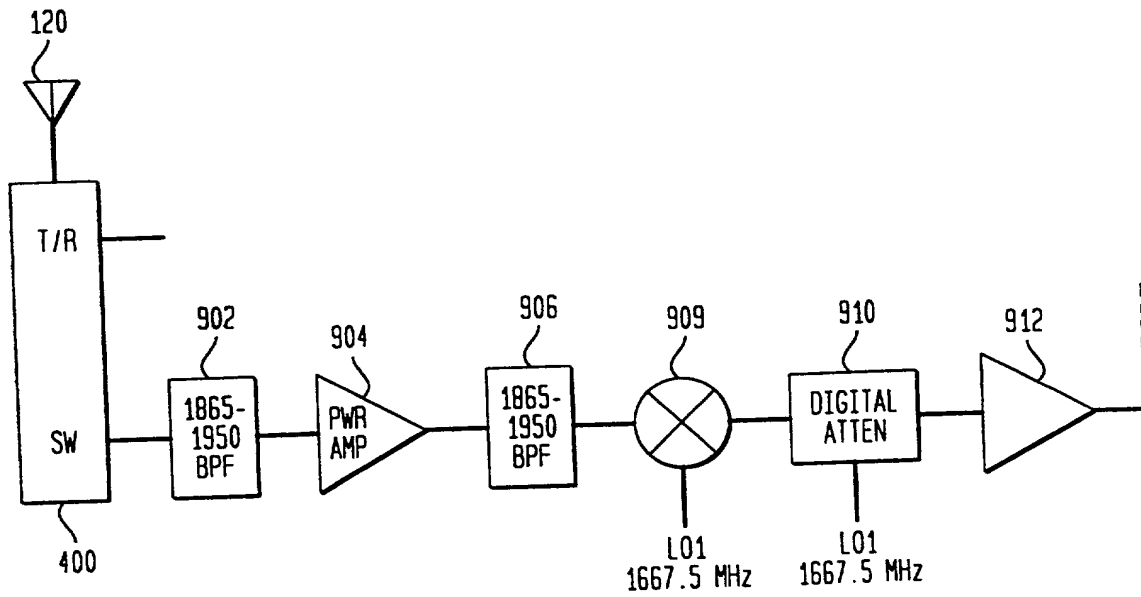
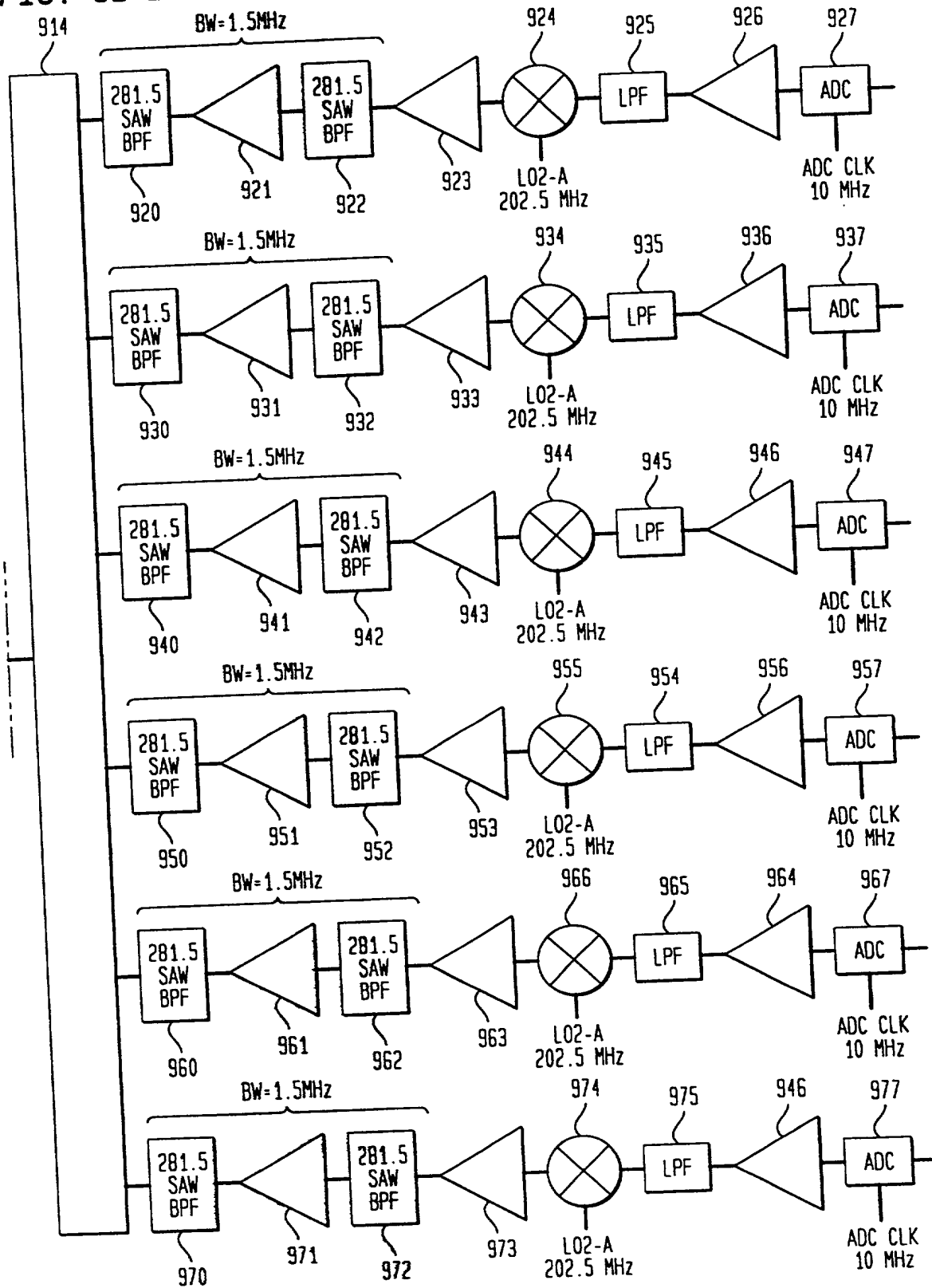


FIG. 82-2



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FIG. 83

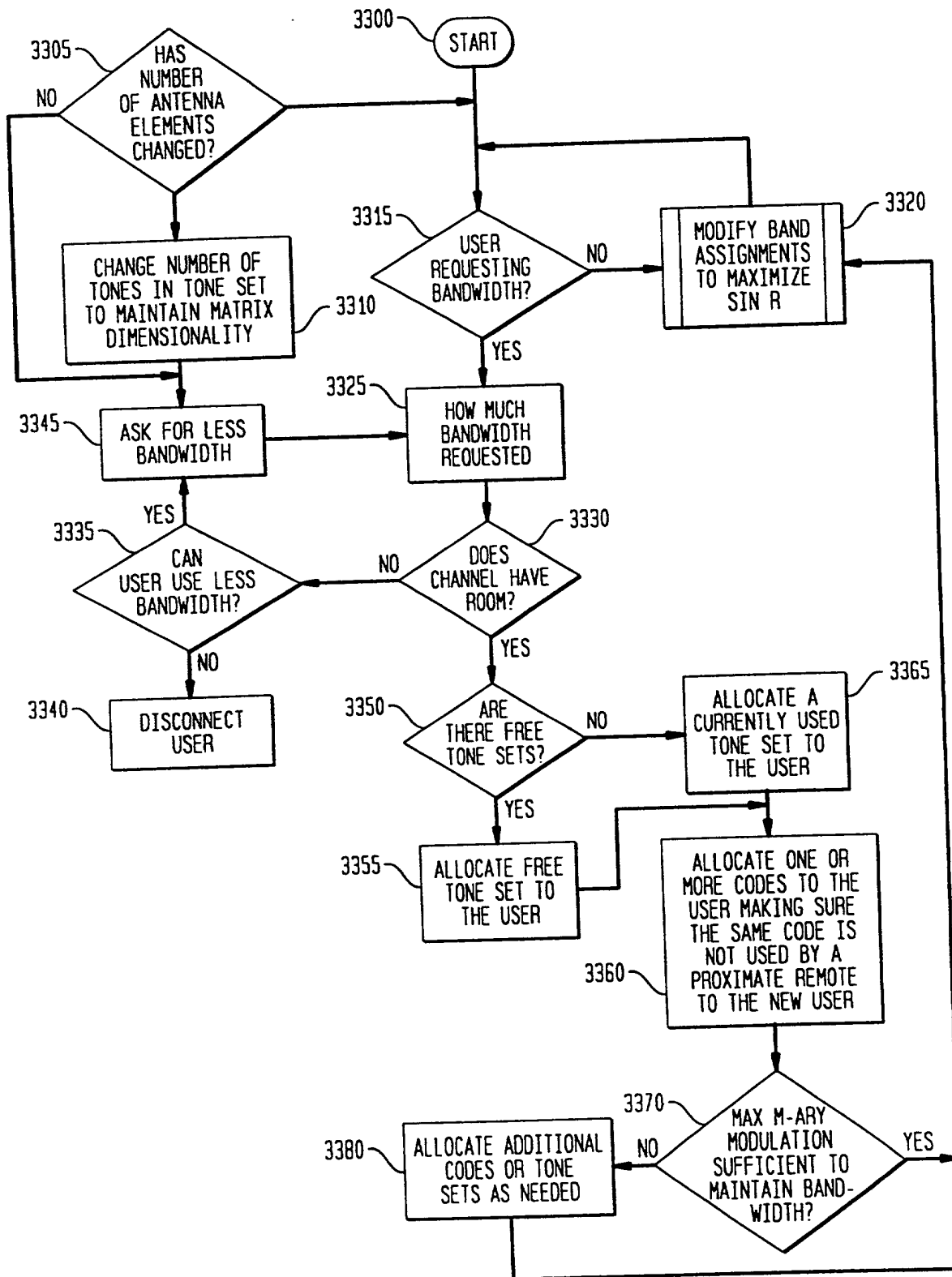


FIG. 83

FIG. 84A

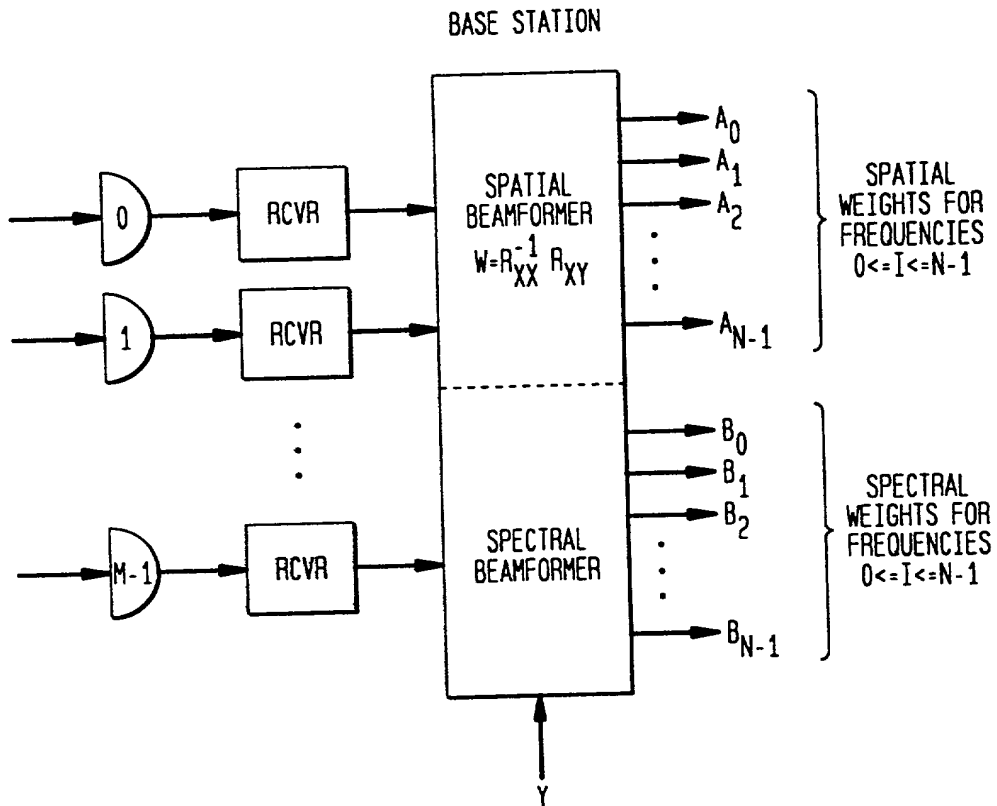
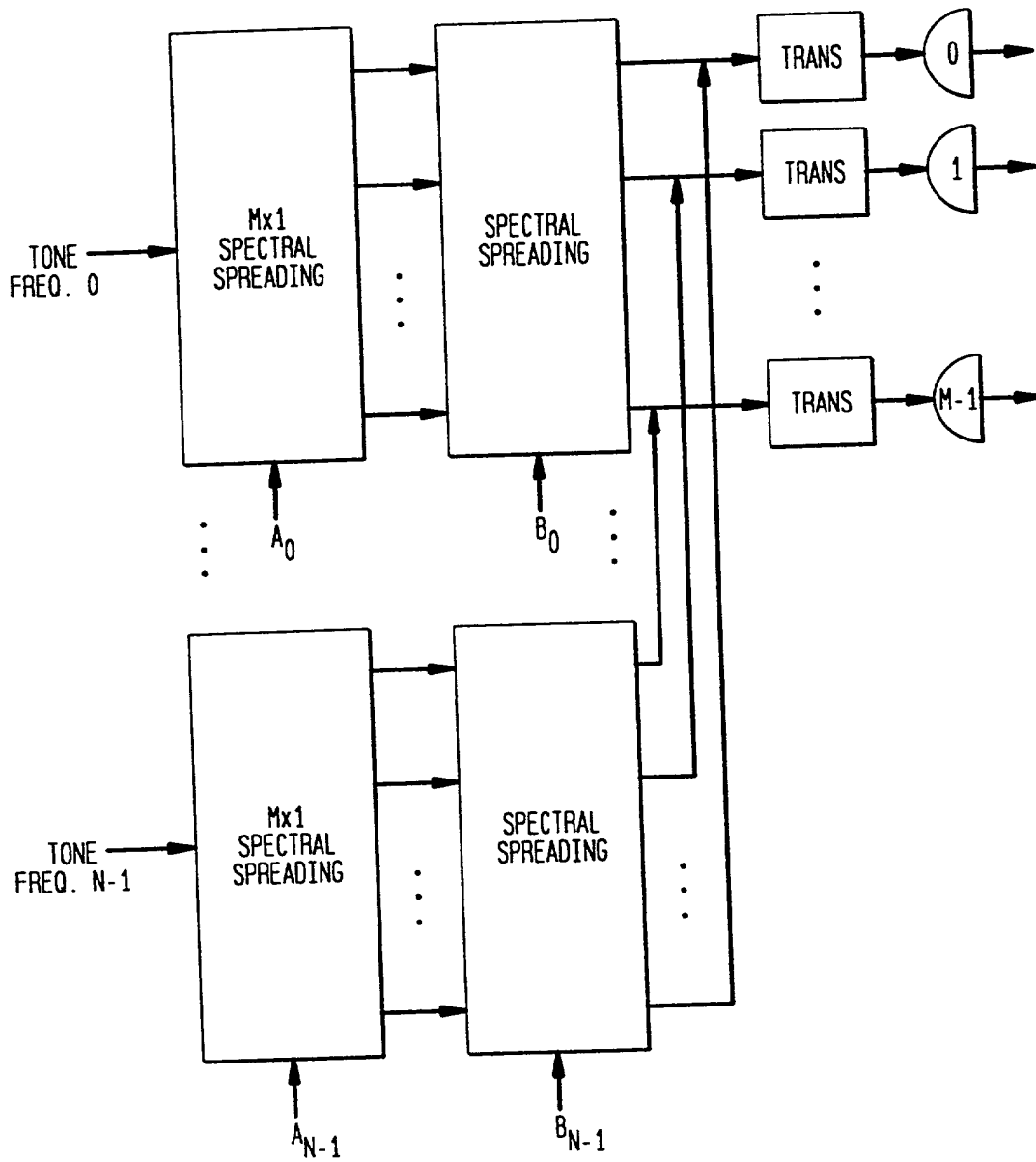


FIG. 84B



WIN RAM 25

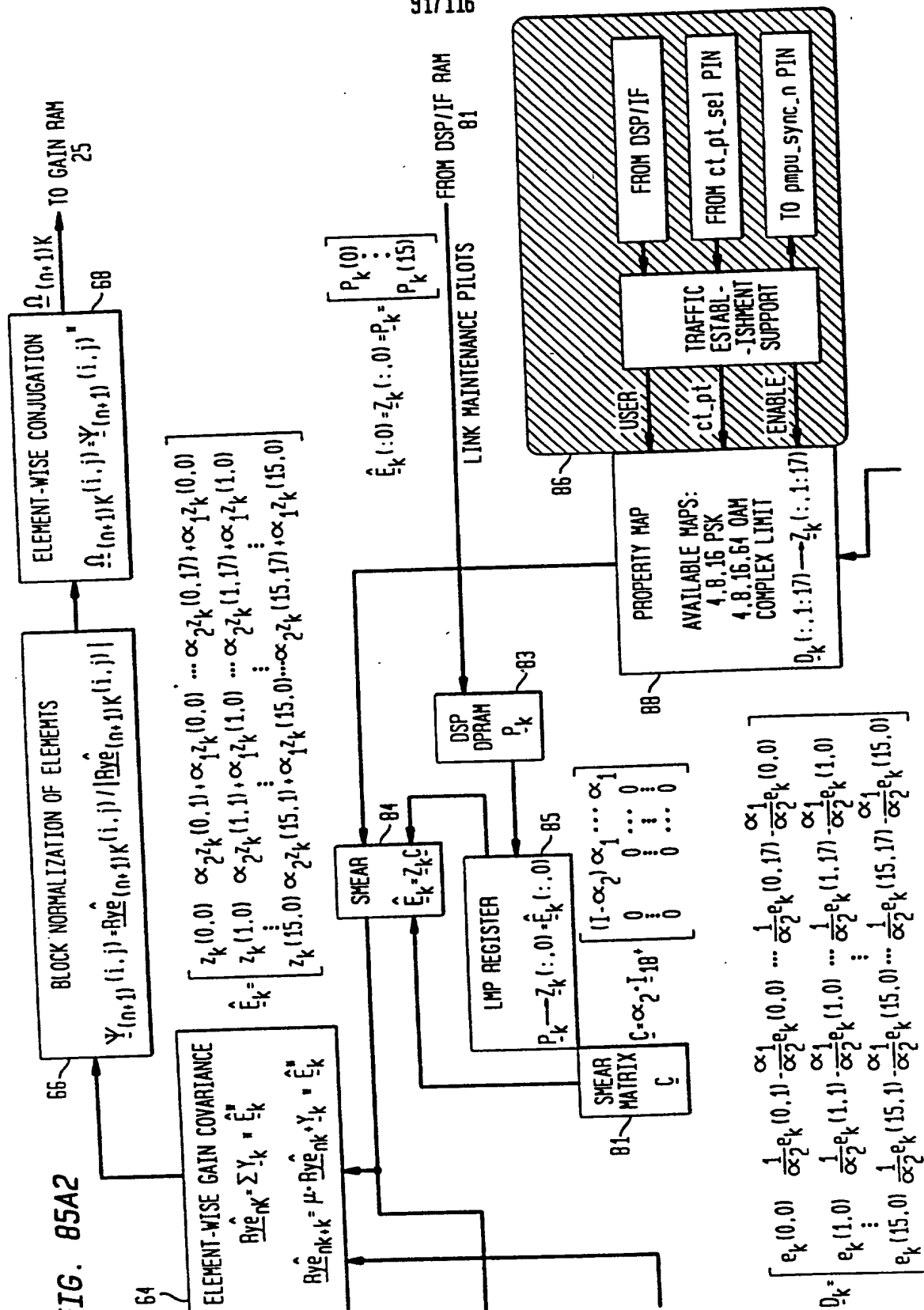


FIG. 85A3

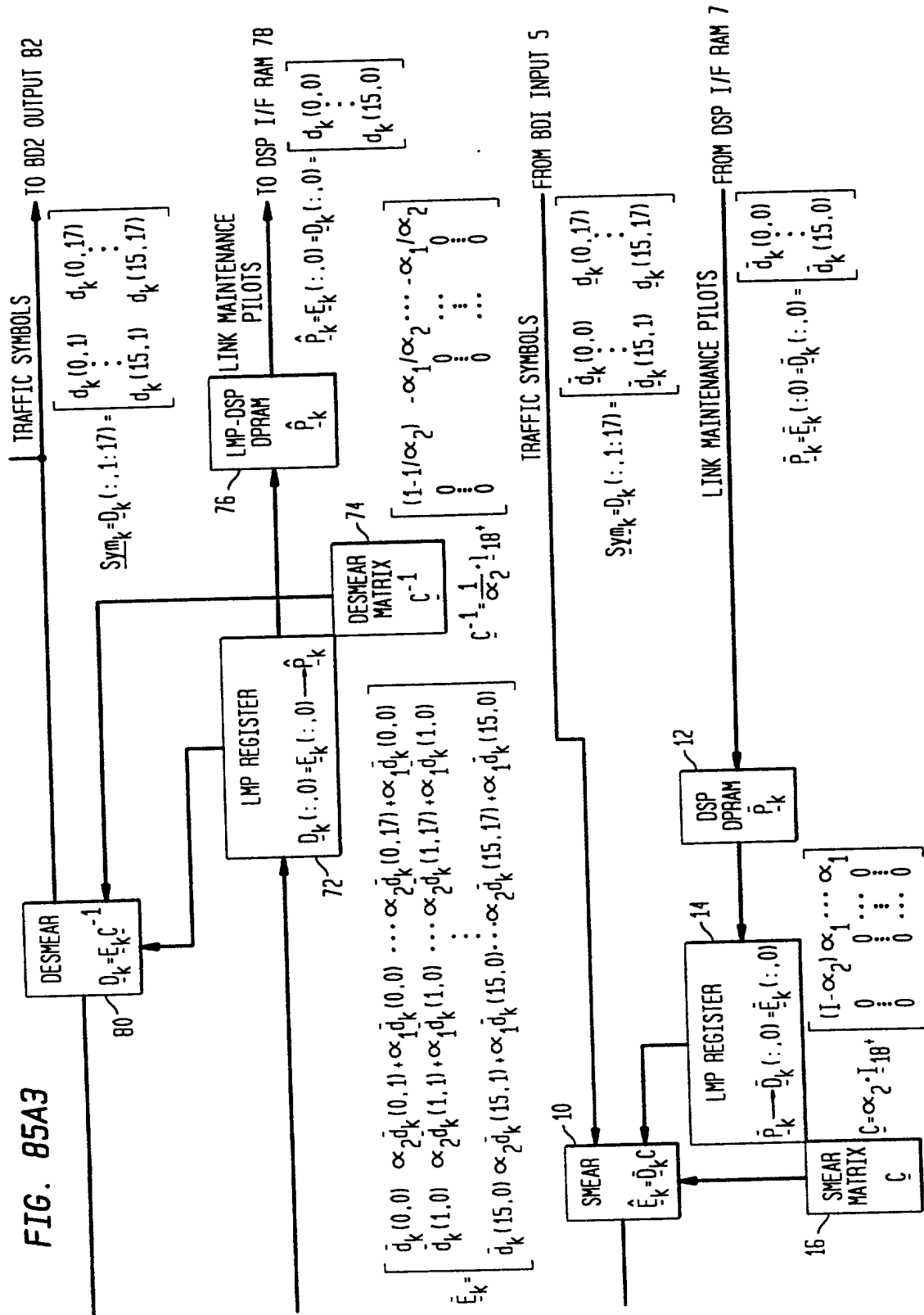
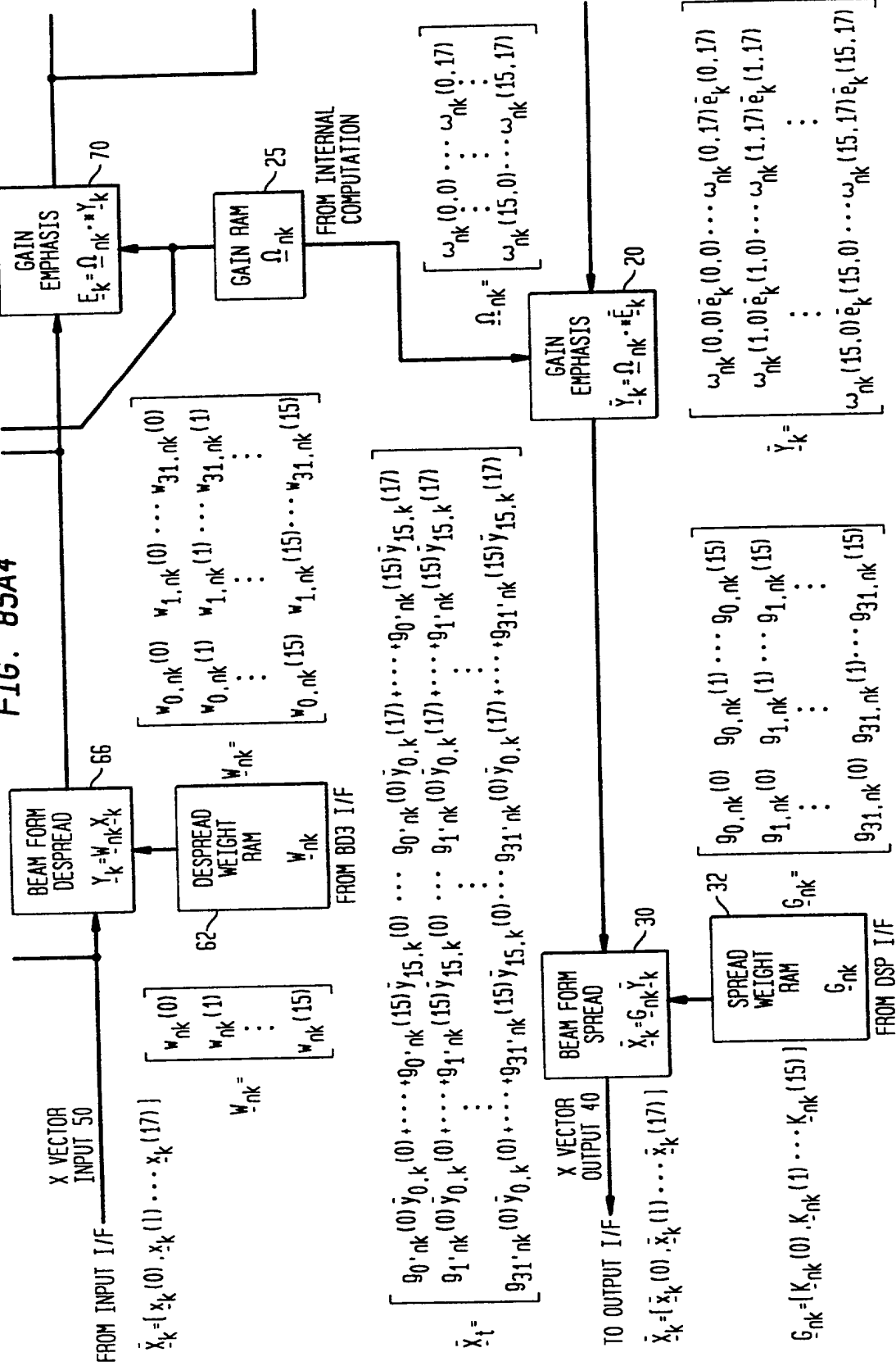


FIG. 85A



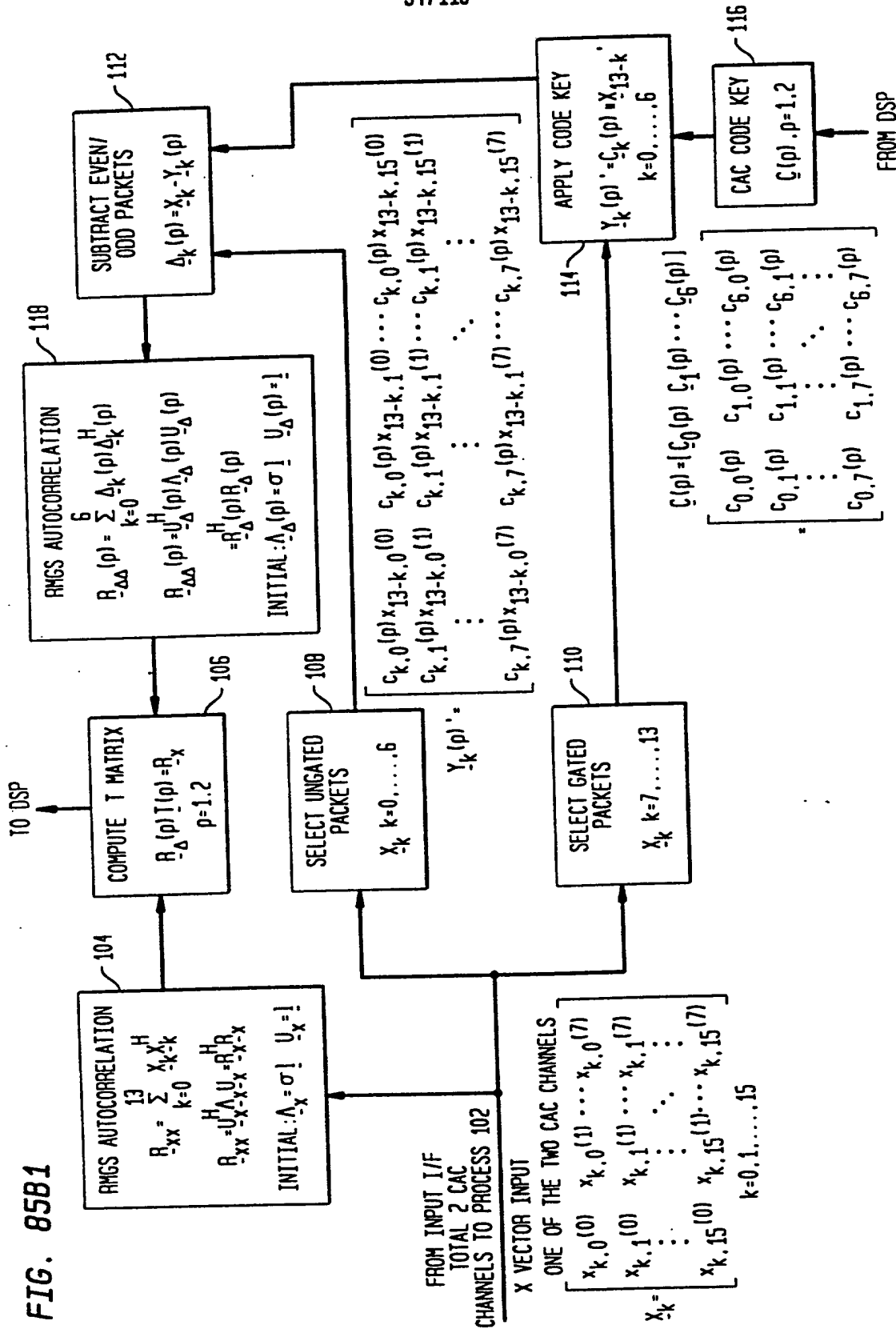


FIG. 8582

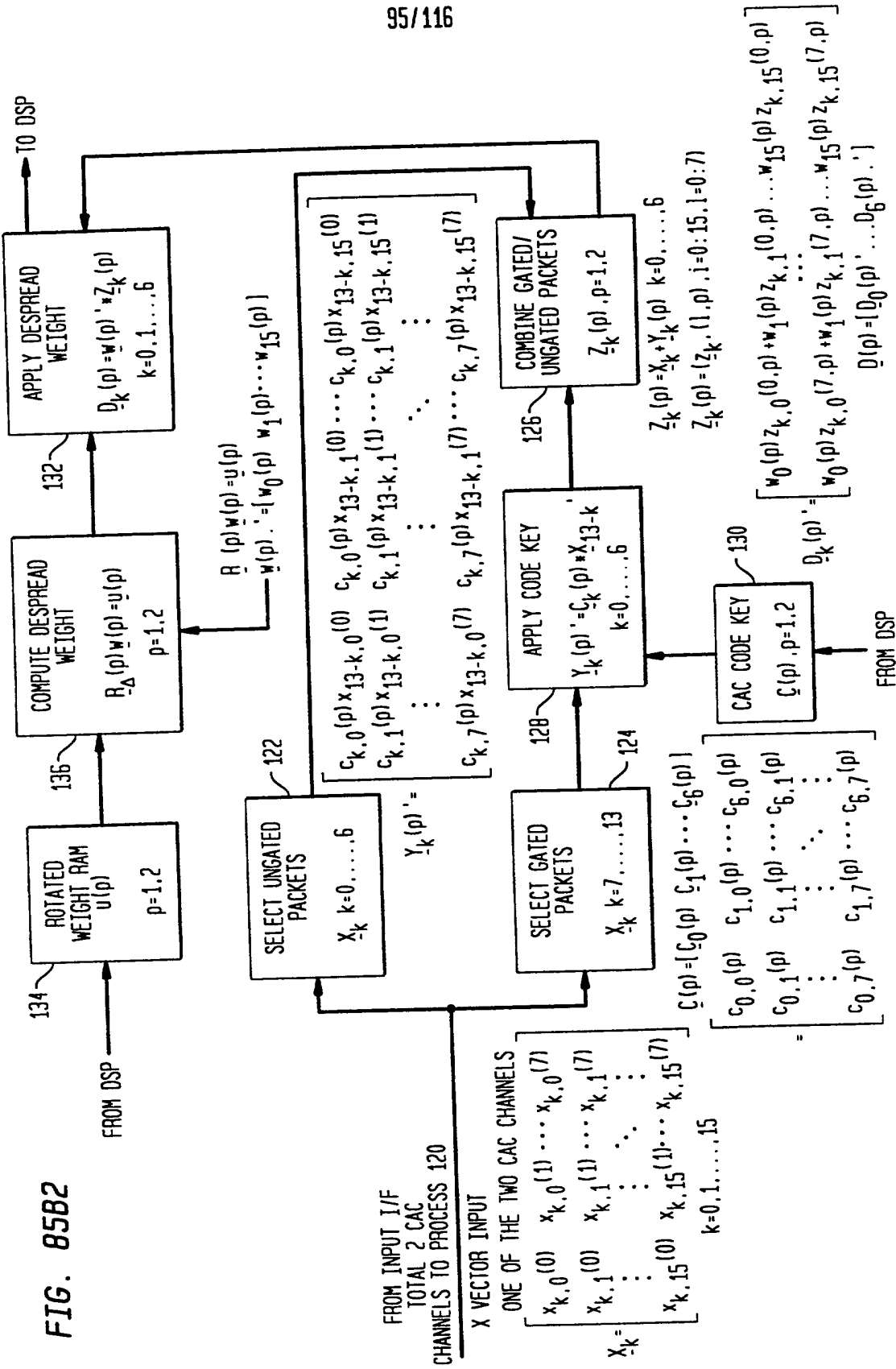


FIG. 86

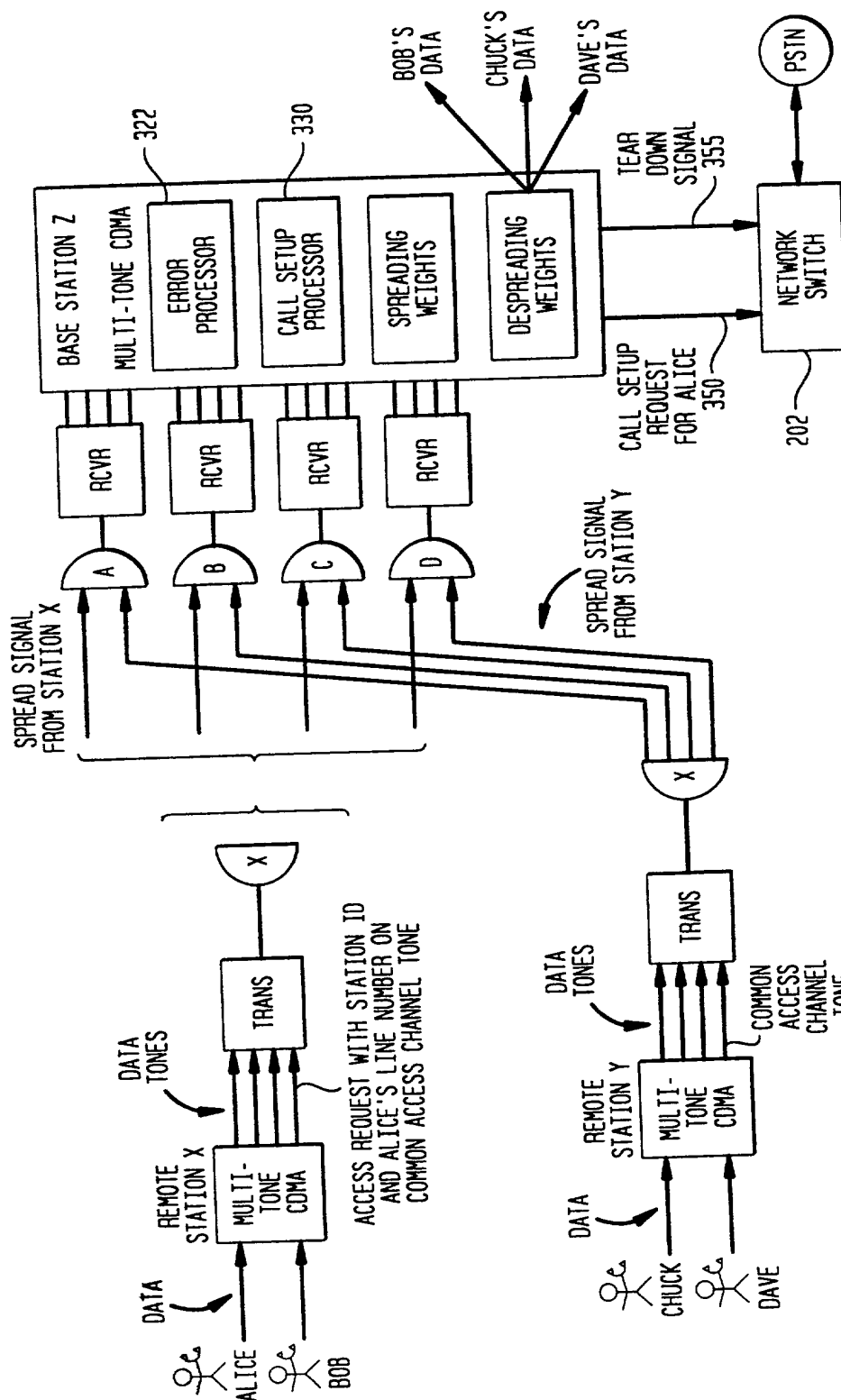


FIG. 87

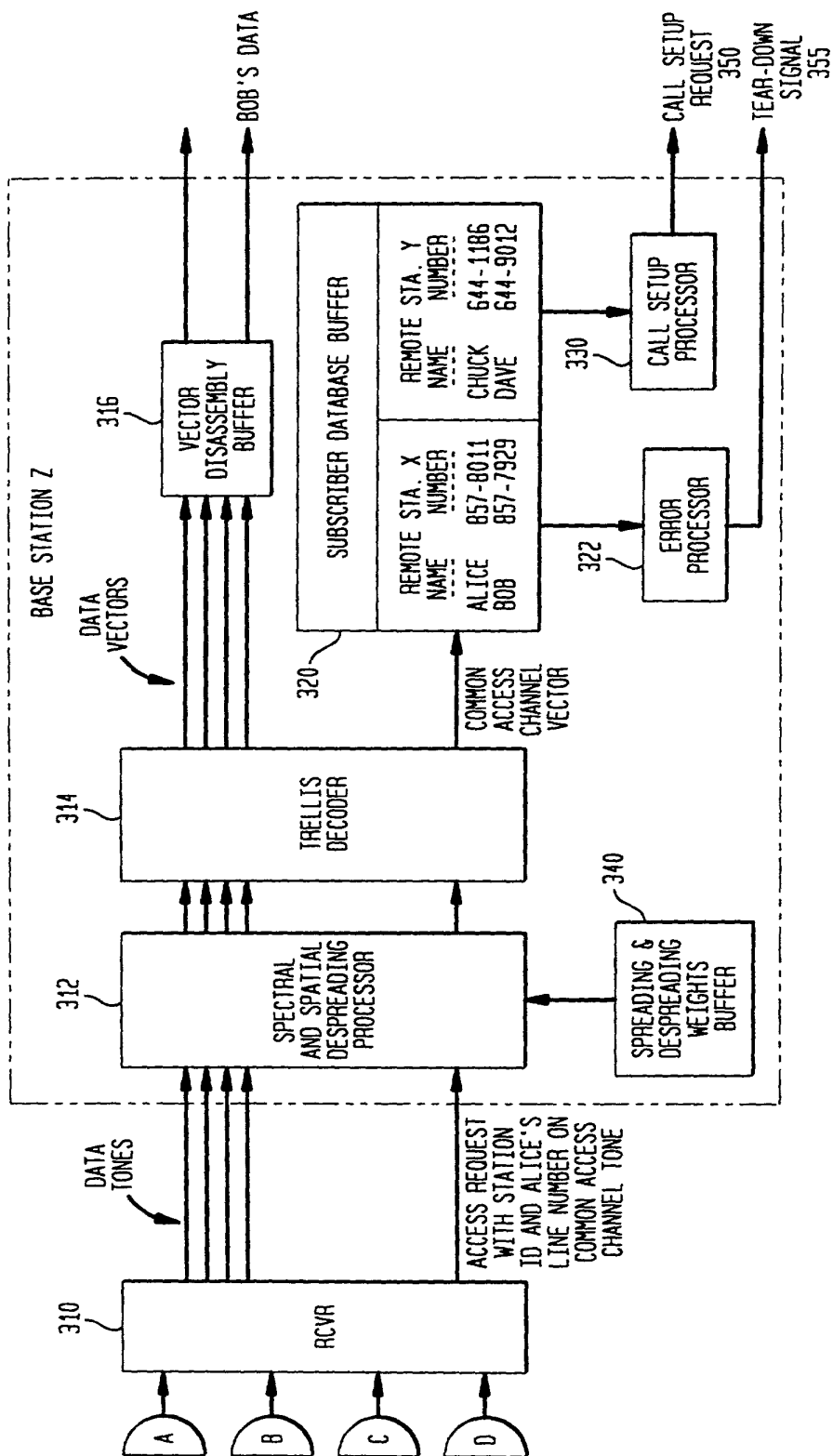


FIG. 88

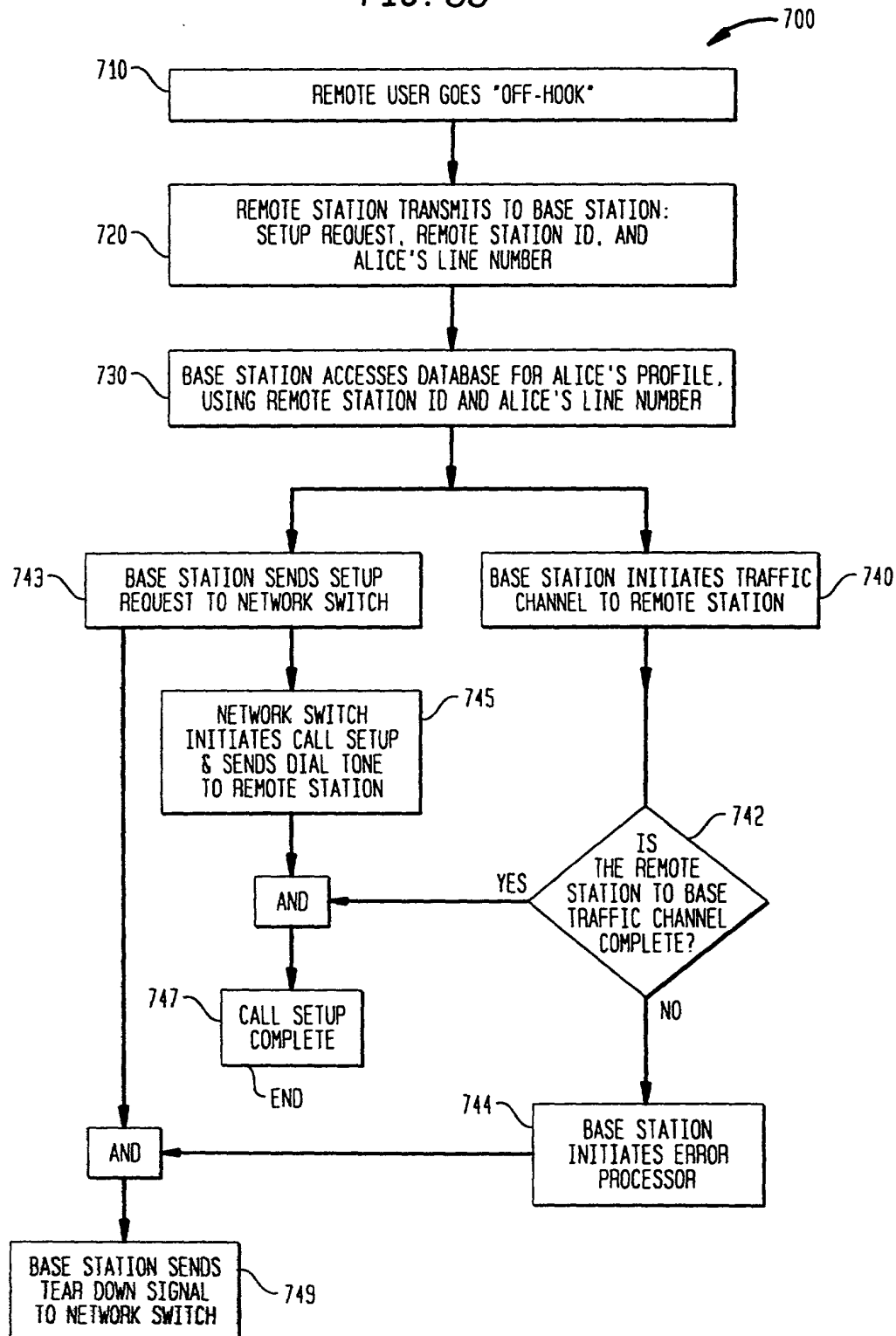


FIG. 89

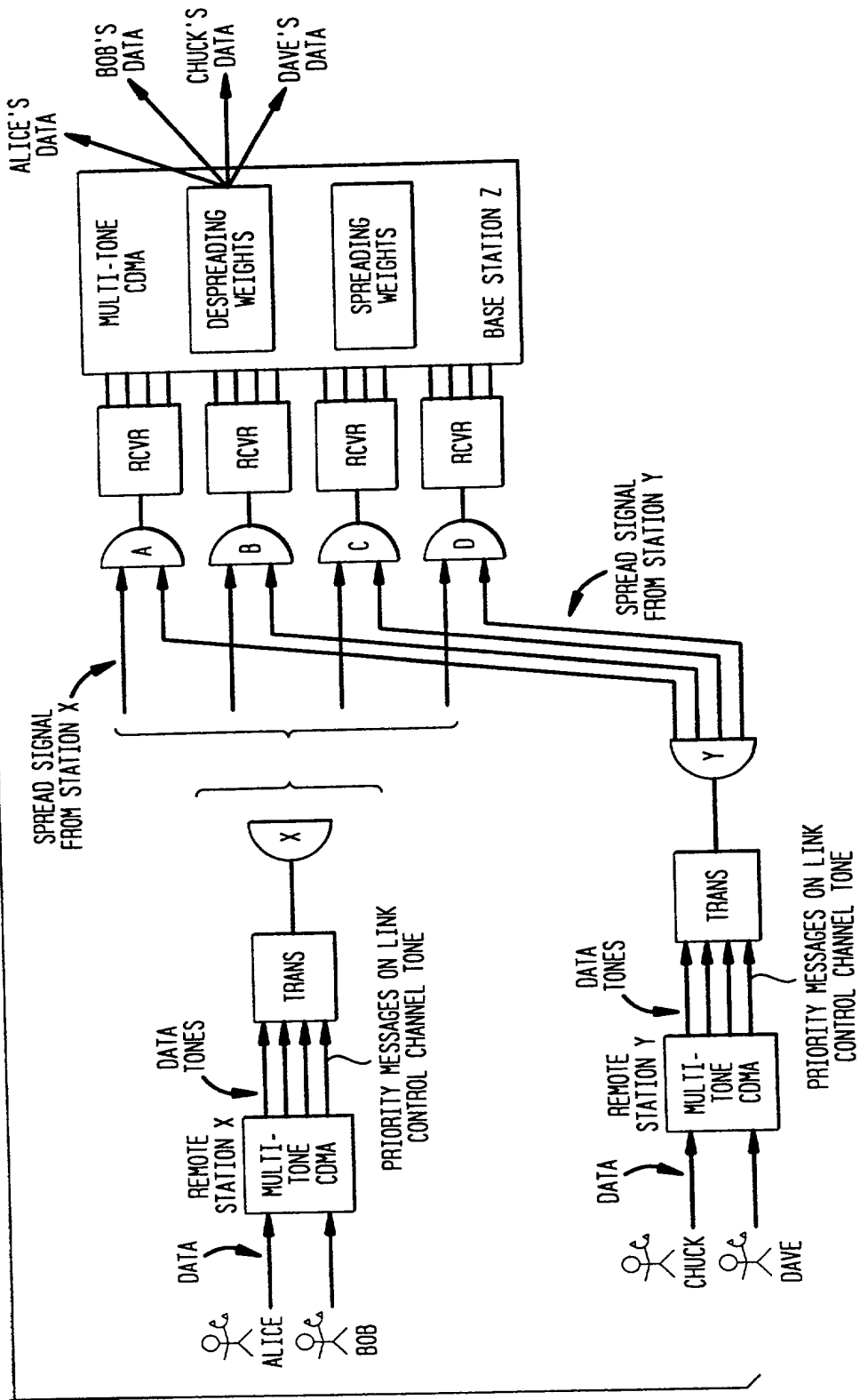


FIG. 90

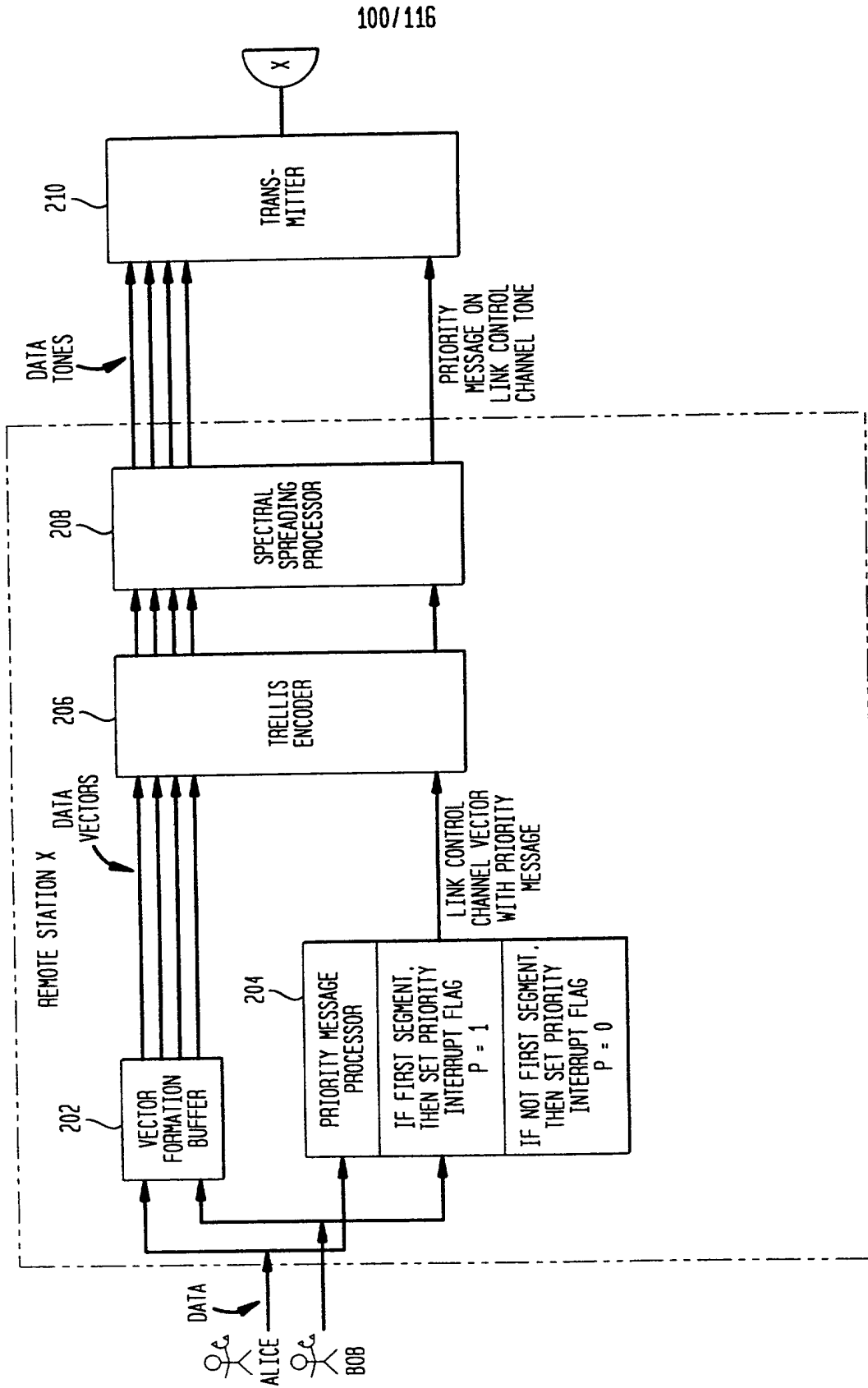


FIG. 91

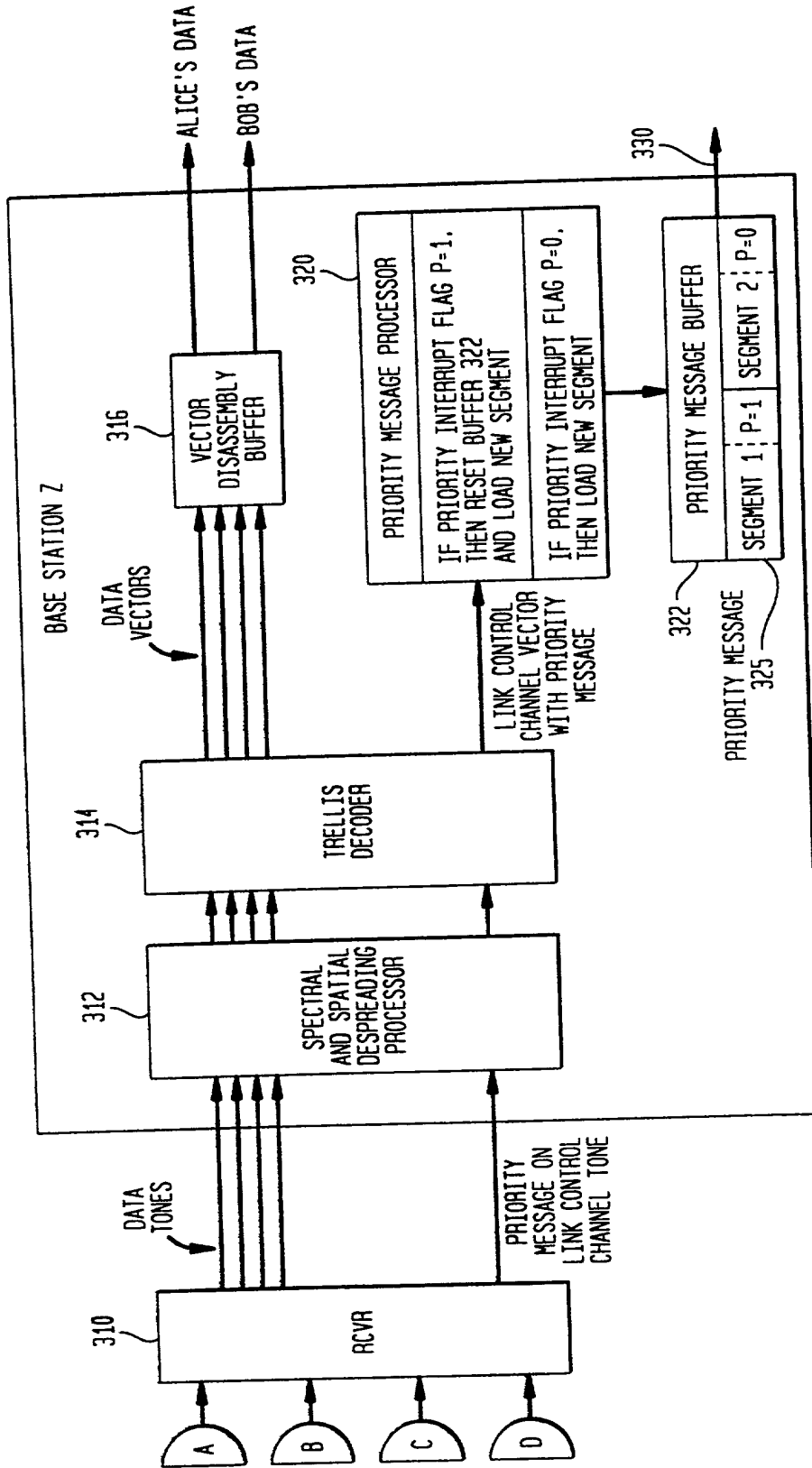


FIG. 92

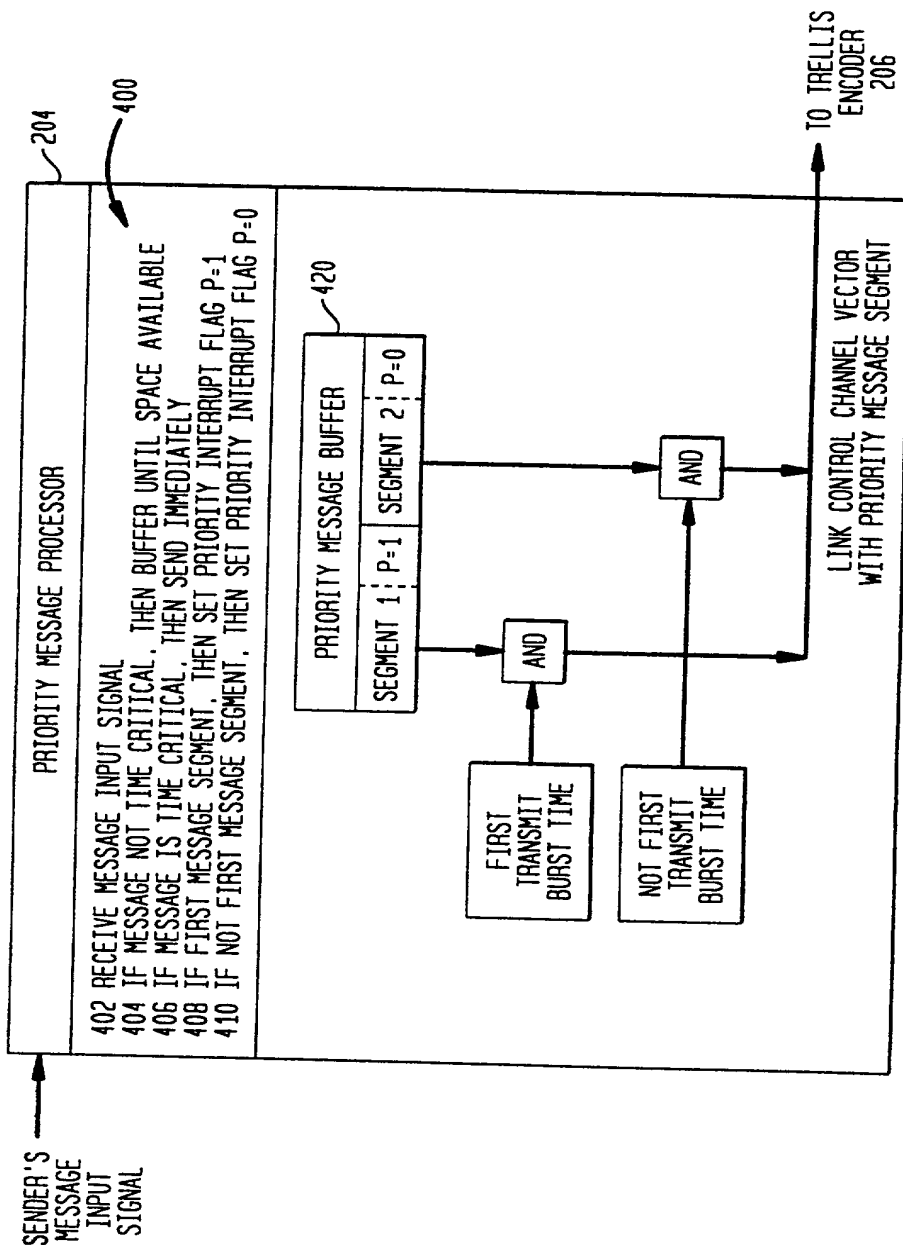
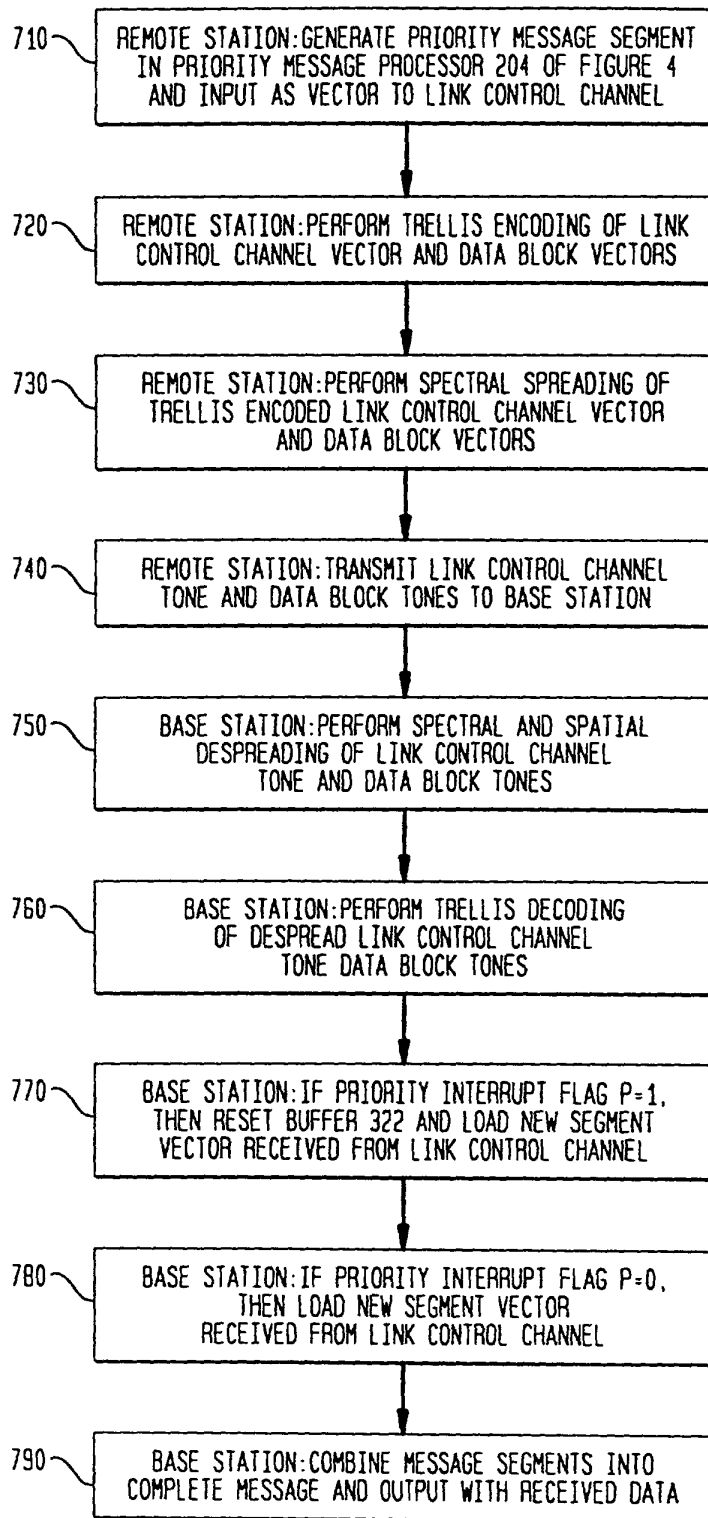


FIG. 93

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FIG. 94

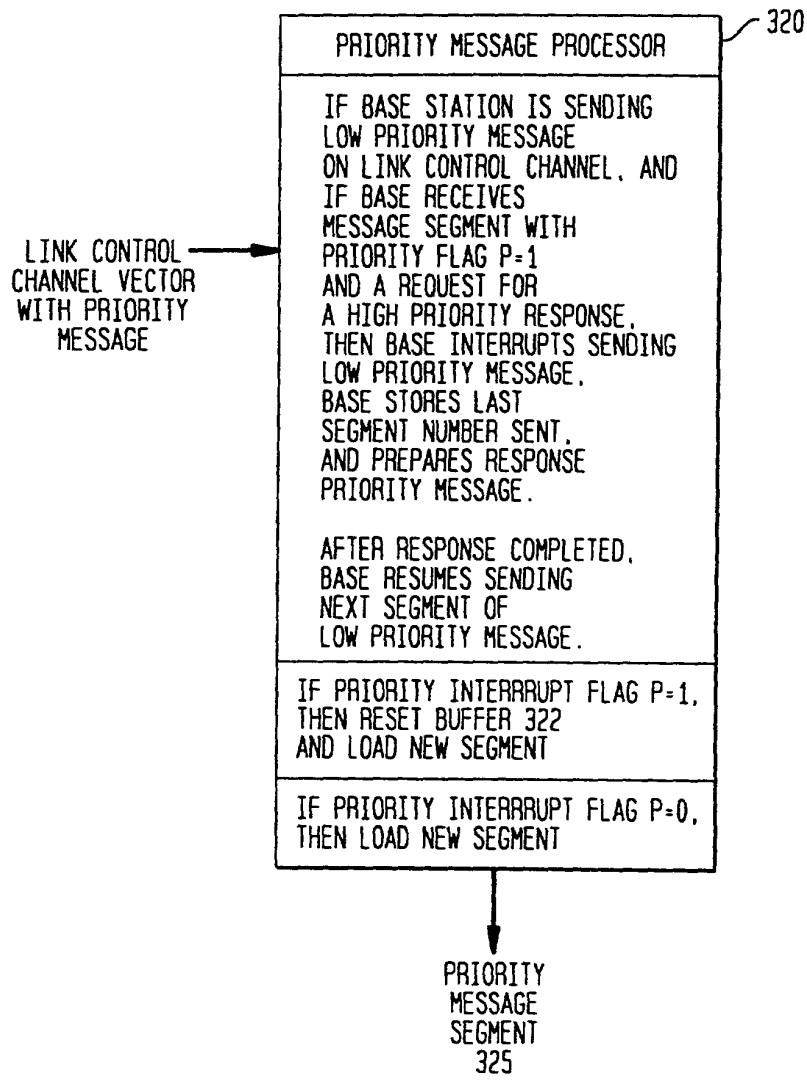


FIG. 95

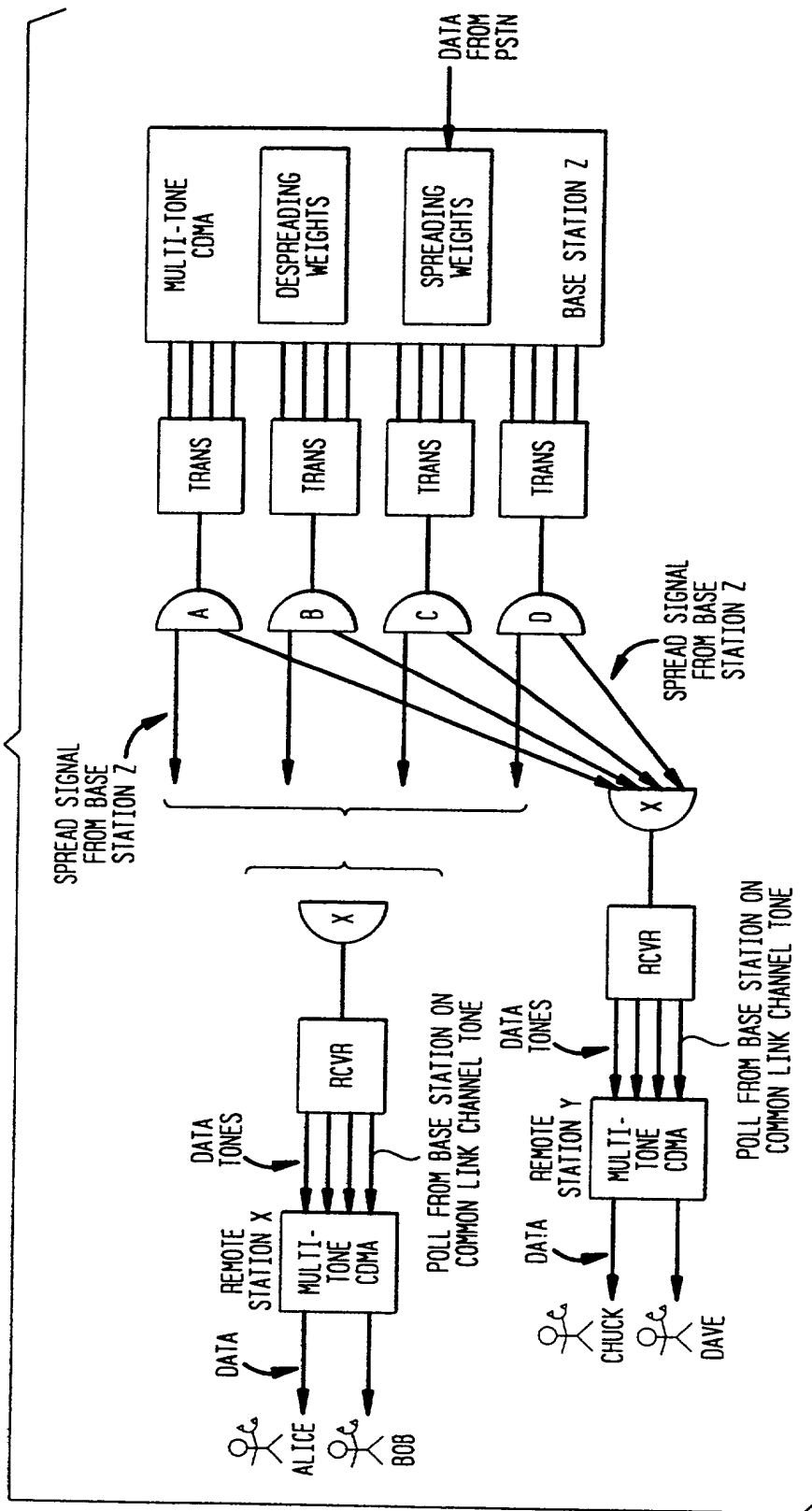


FIG. 96

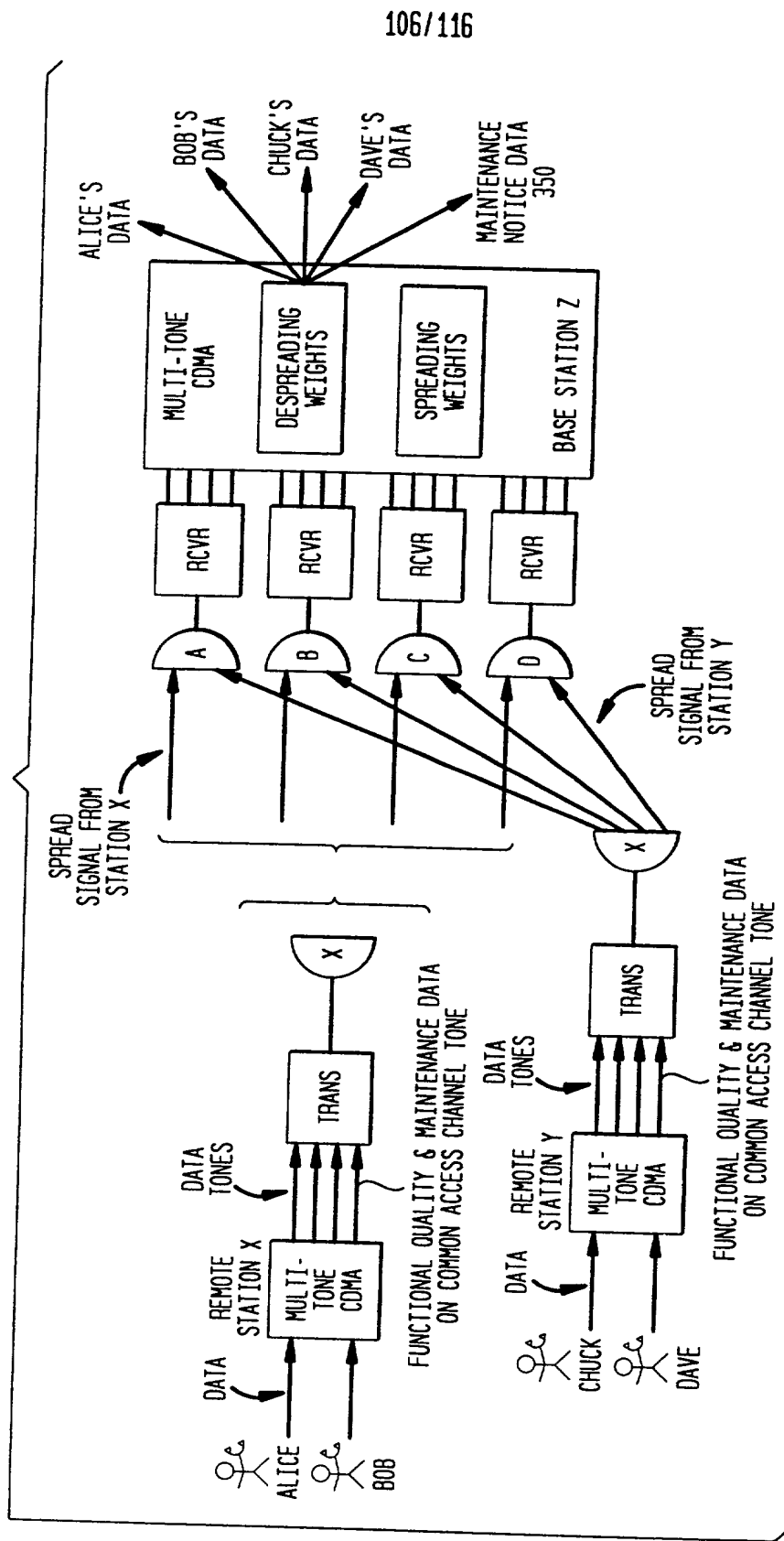


FIG. 97

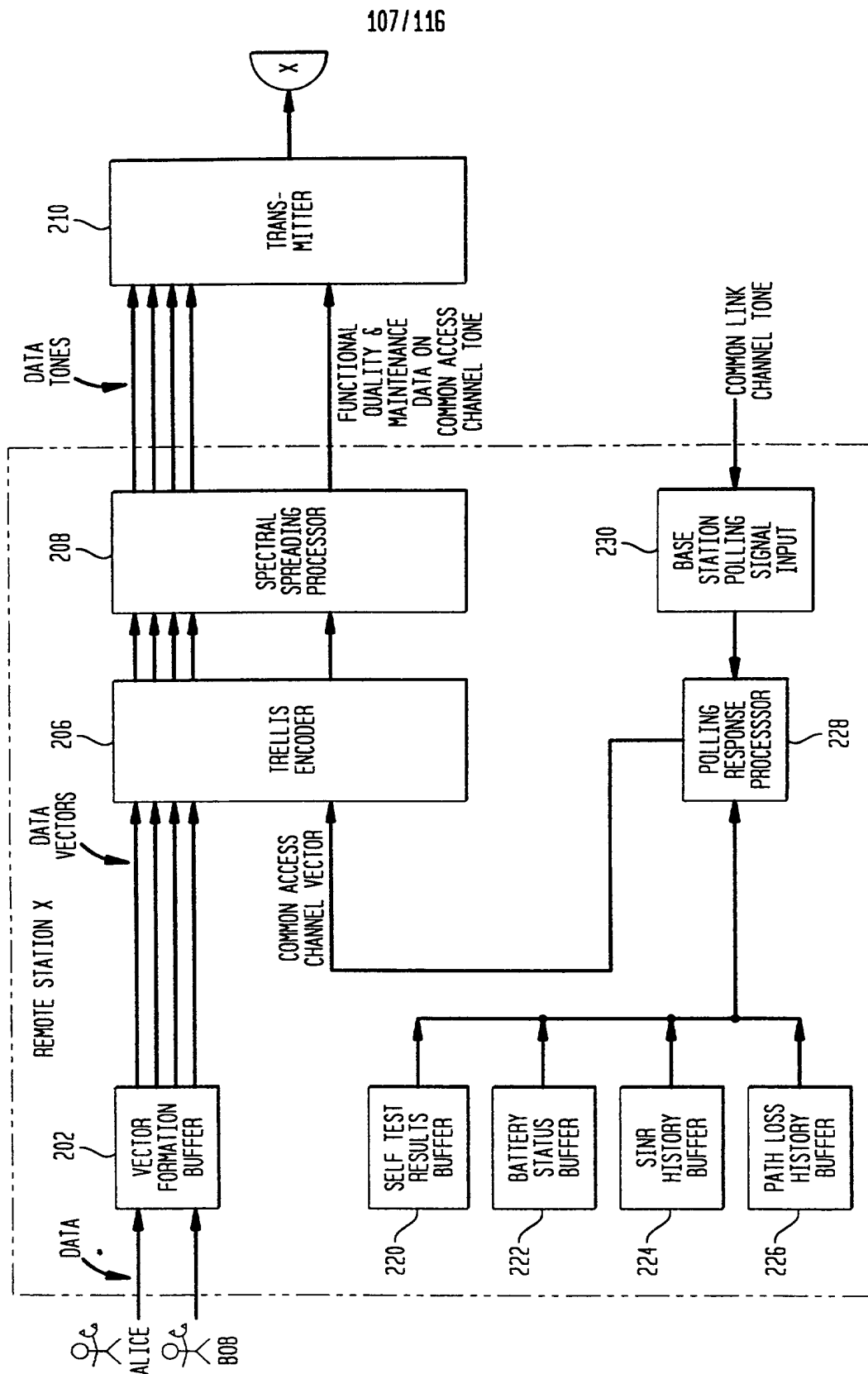


FIG. 98

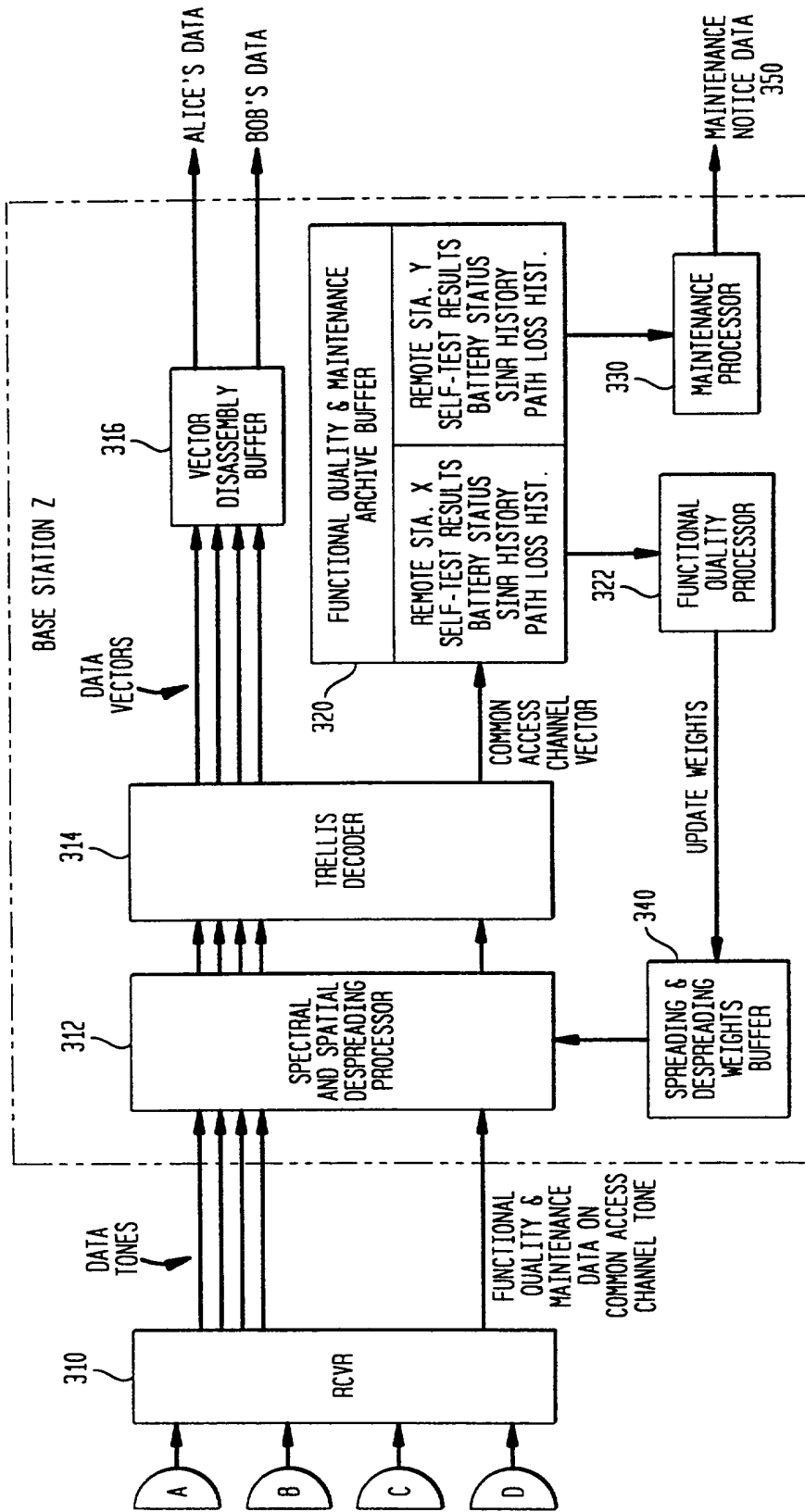


FIG. 99

700

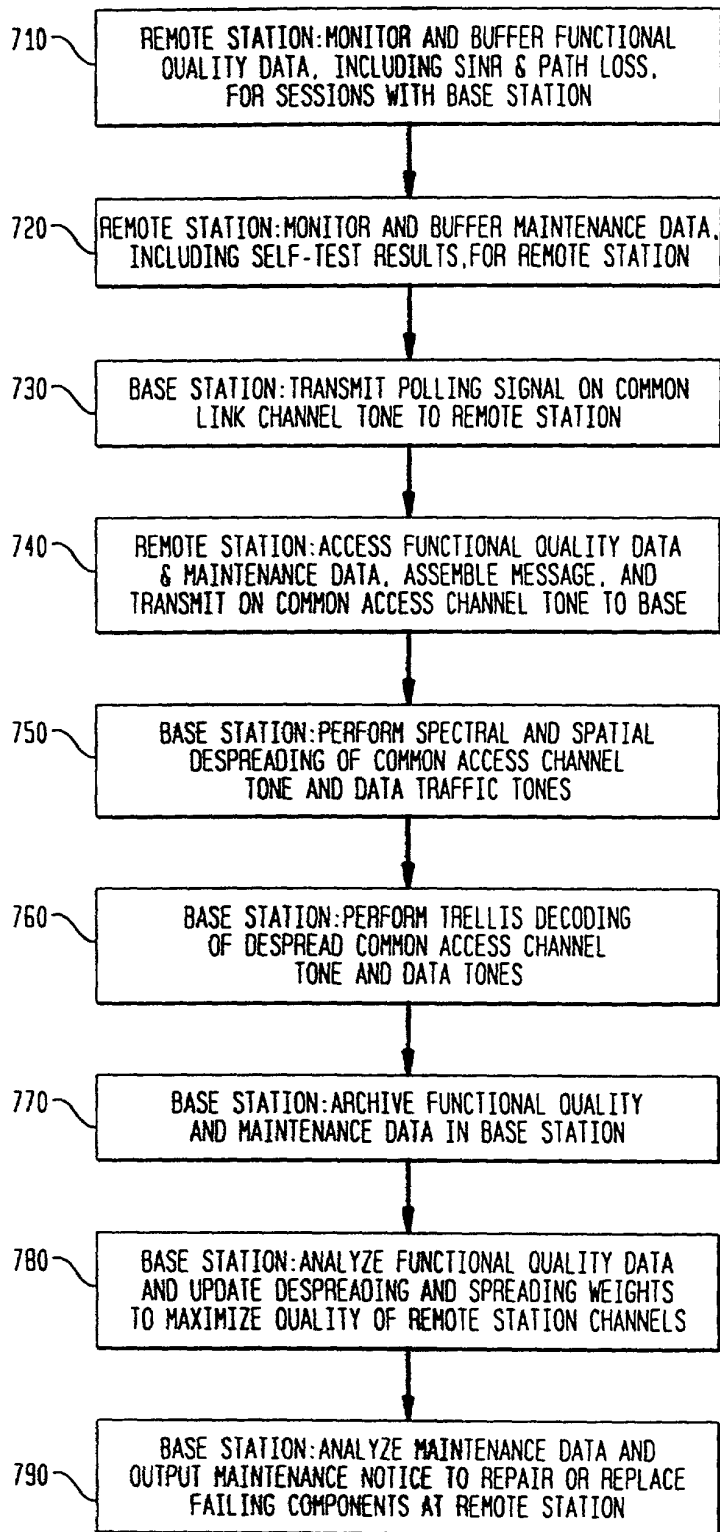


FIG. 100

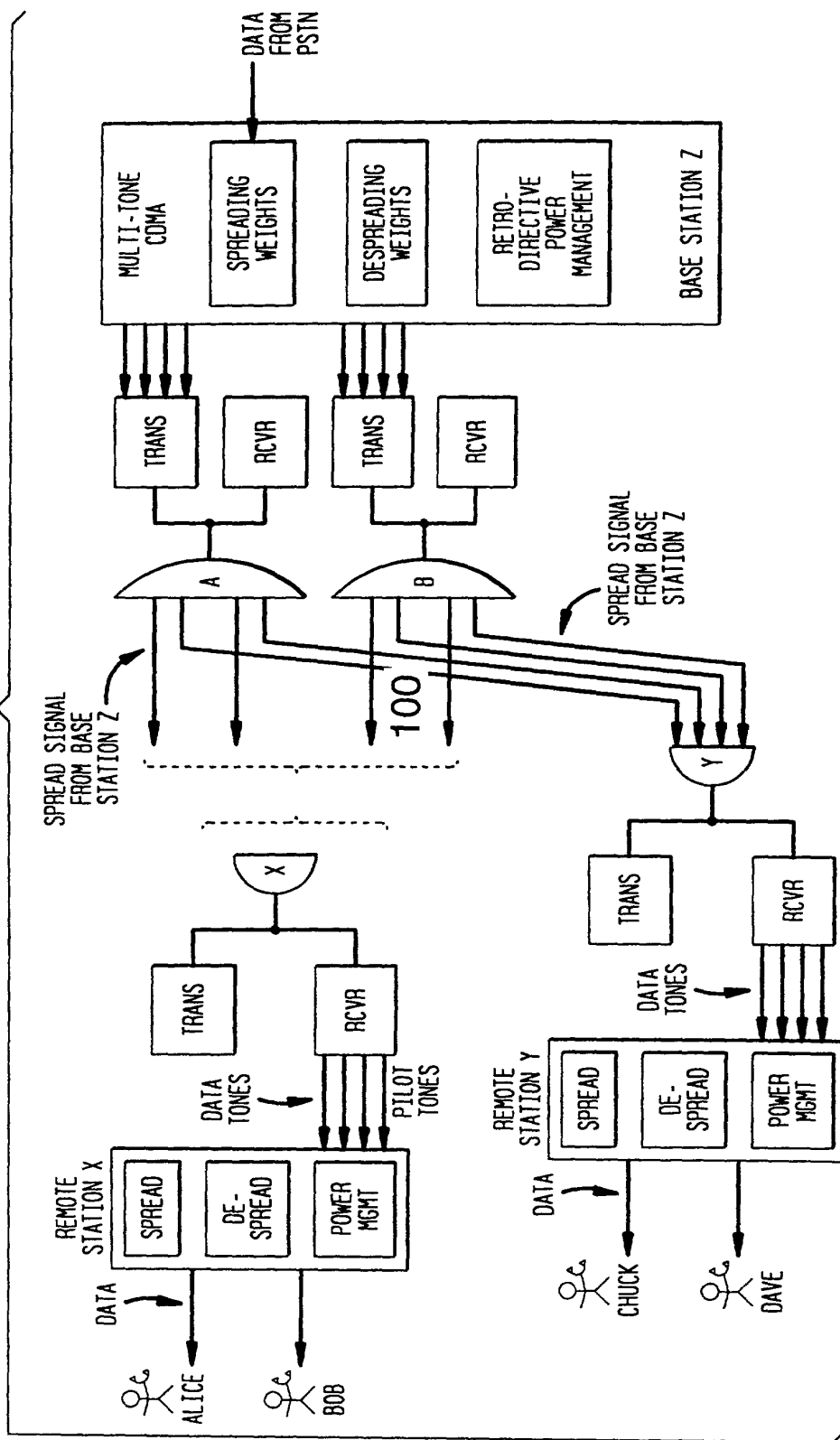


FIG. 101

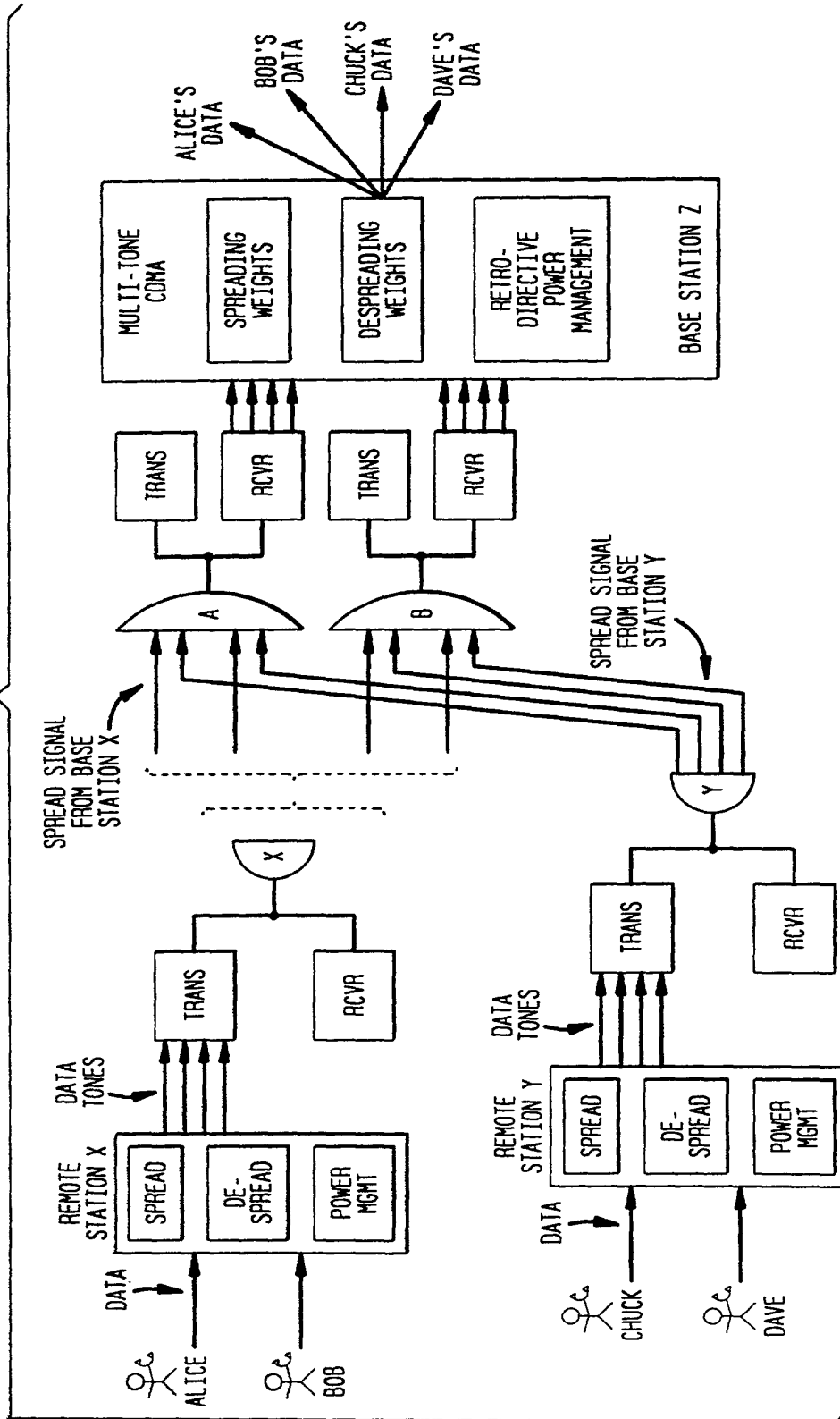


FIG. 102

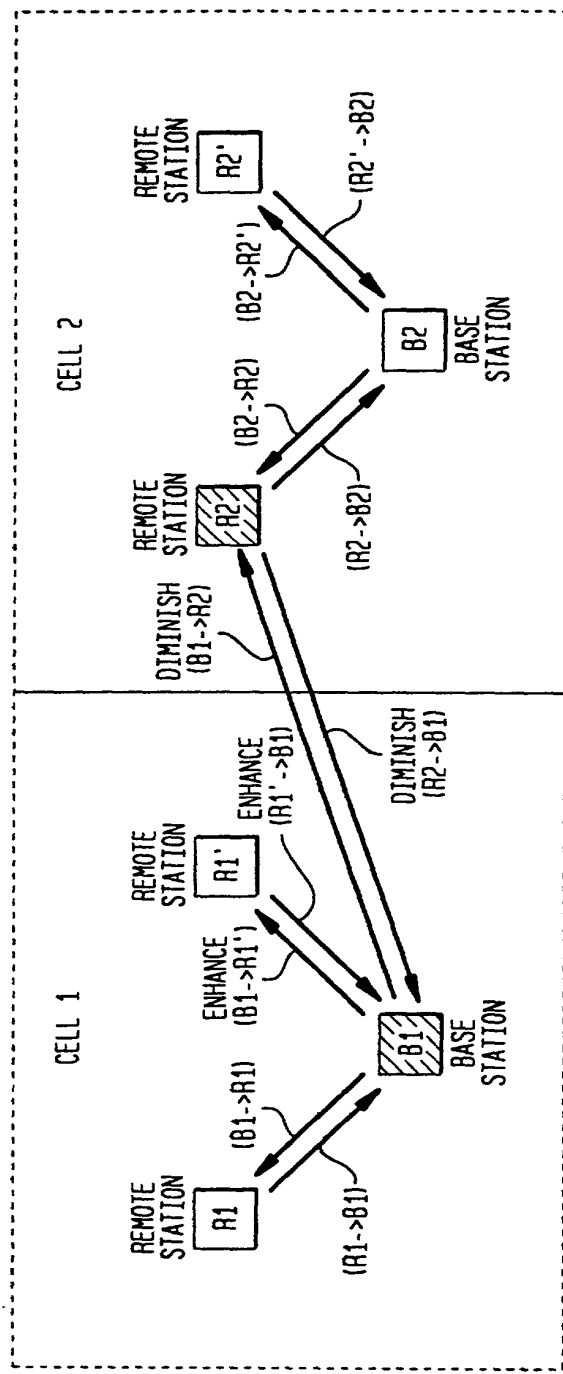


FIG. 103

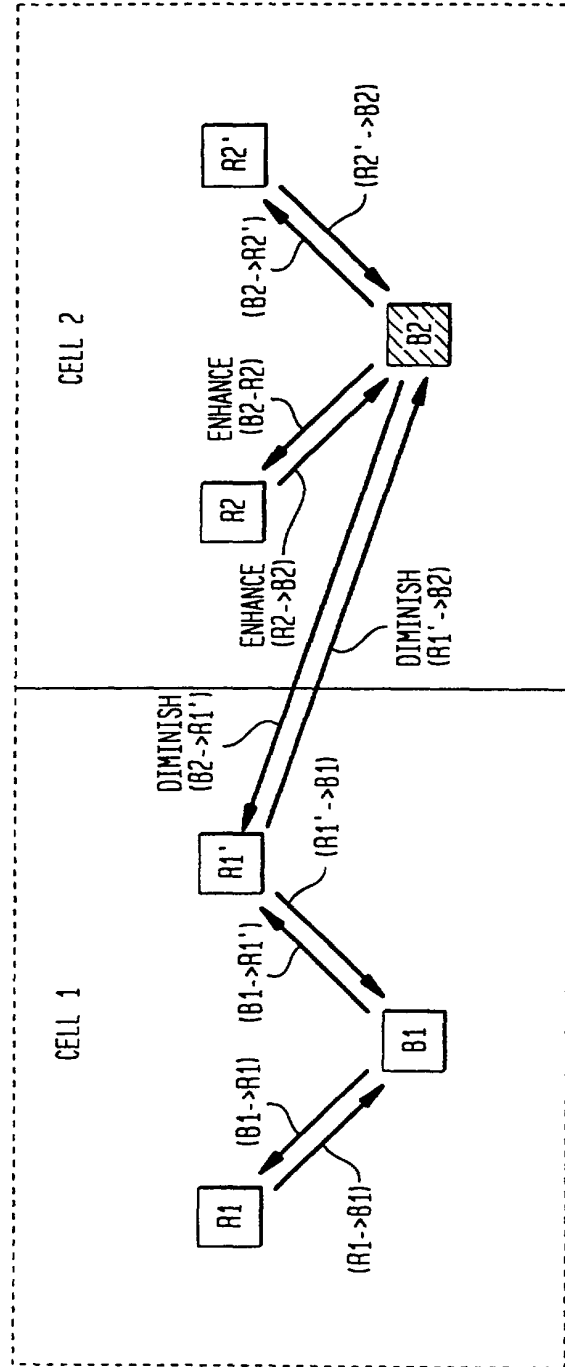


FIG. 104

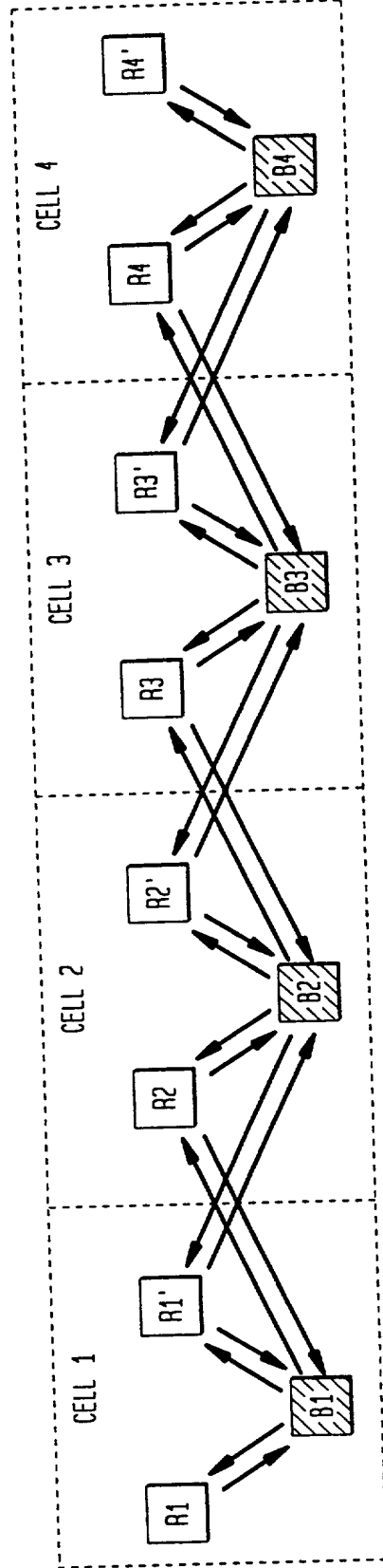


FIG. 105

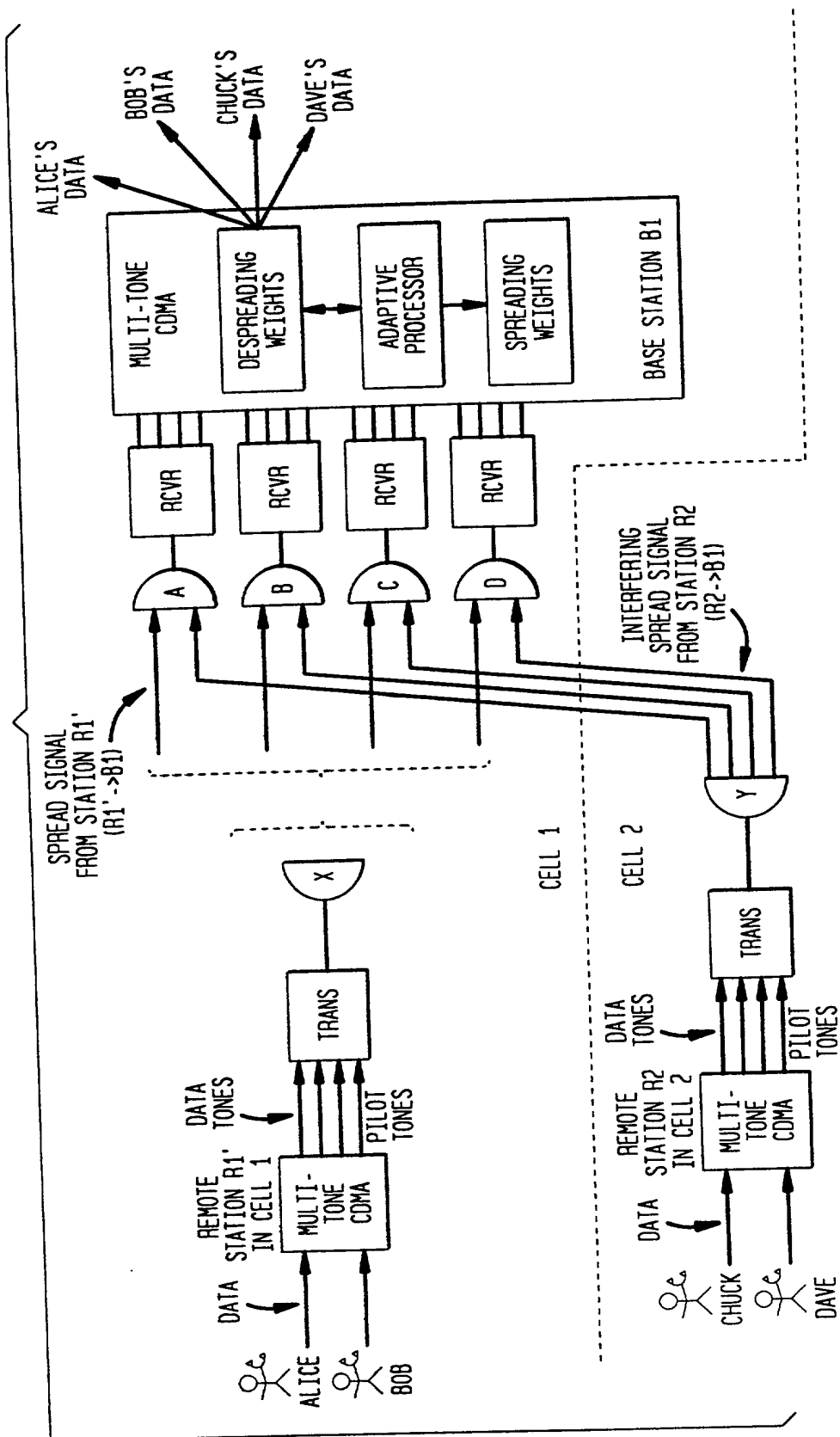


FIG. 106

